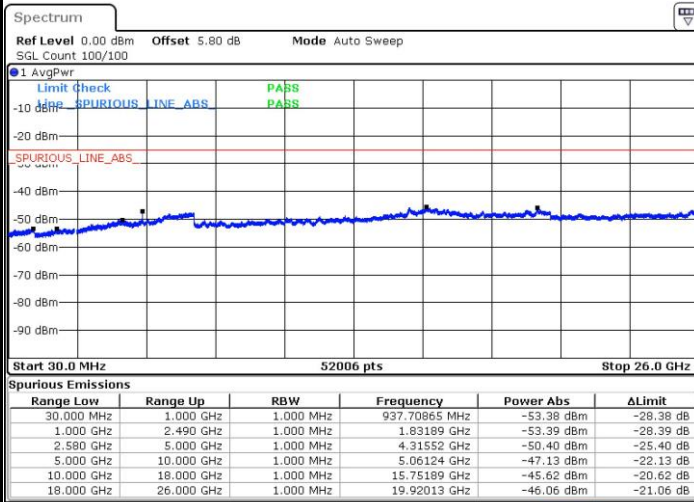




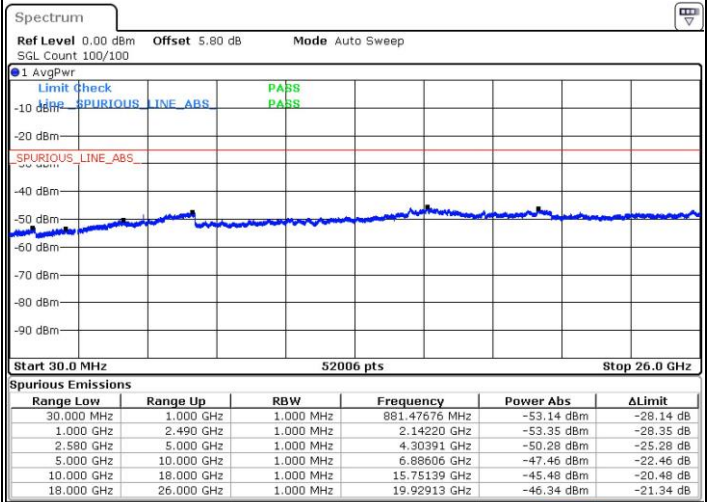
## LTE Band 7 / 10MHz

## Middle Channel / QPSK



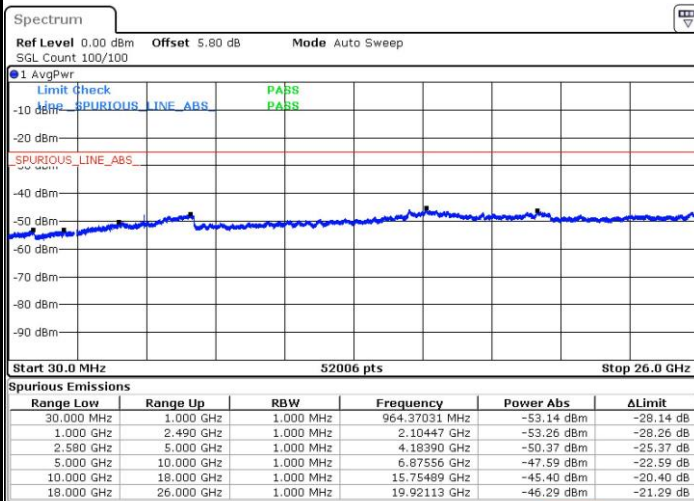
Date: 23 APR 2016 23:11:03

## Middle Channel / 16QAM



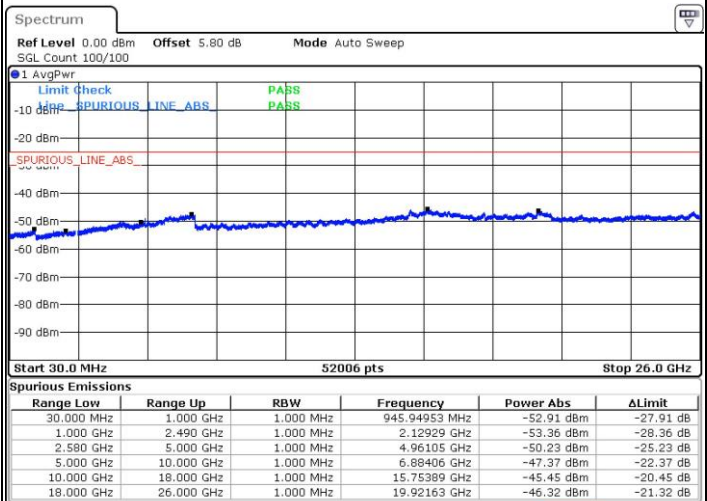
Date: 23 APR 2016 21:47:50

## Highest Channel / QPSK



Date: 23 APR 2016 21:49:39

## Highest Channel / 16QAM

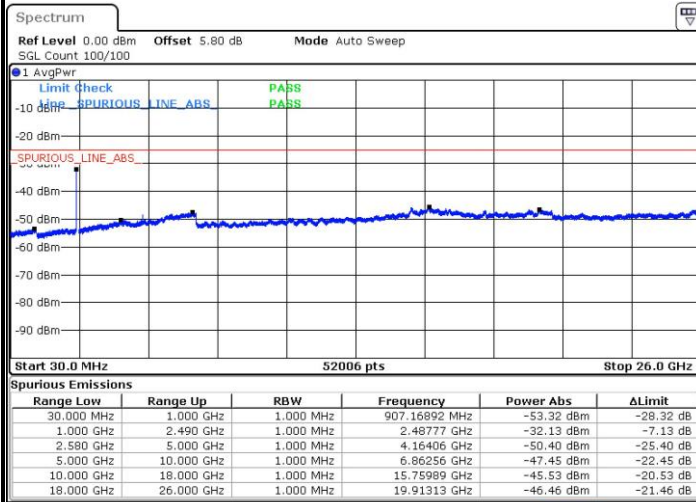


Date: 23 APR 2016 21:50:33



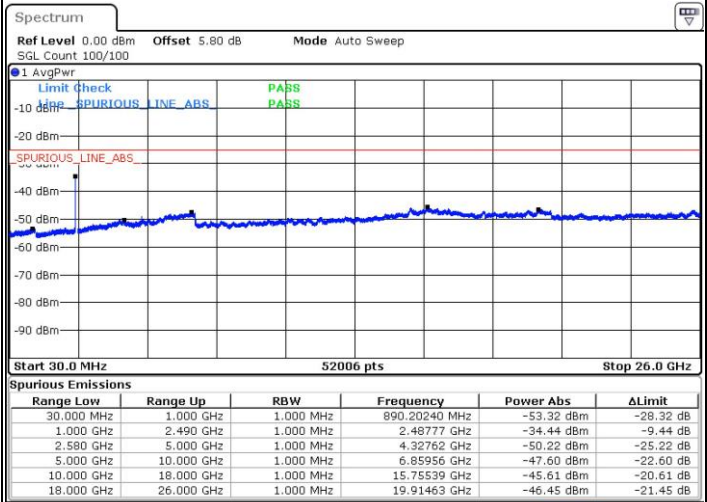
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



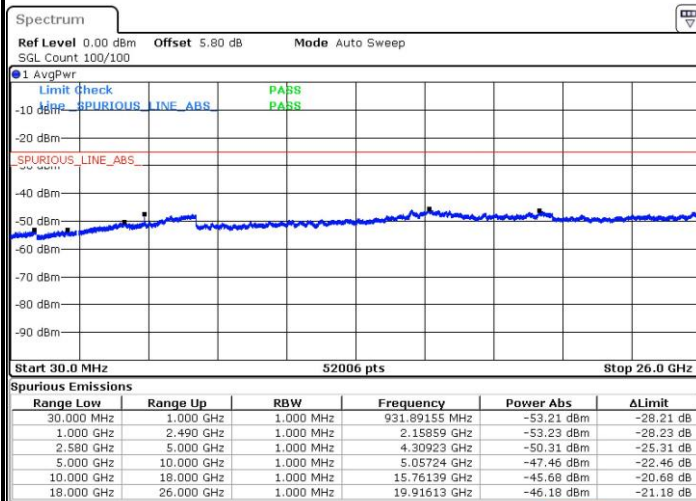
Date: 23 APR 2016 22:37:48

## Lowest Channel / 16QAM



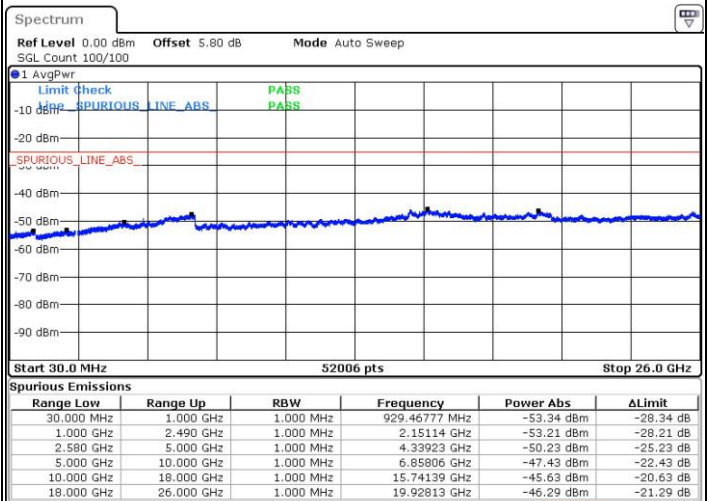
Date: 23 APR 2016 22:46:07

## Middle Channel / QPSK



Date: 23 APR 2016 22:43:35

## Middle Channel / 16QAM

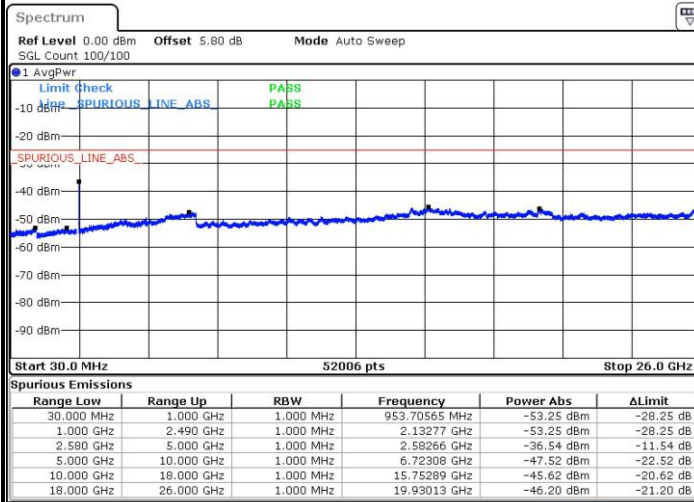


Date: 23 APR 2016 22:42:49



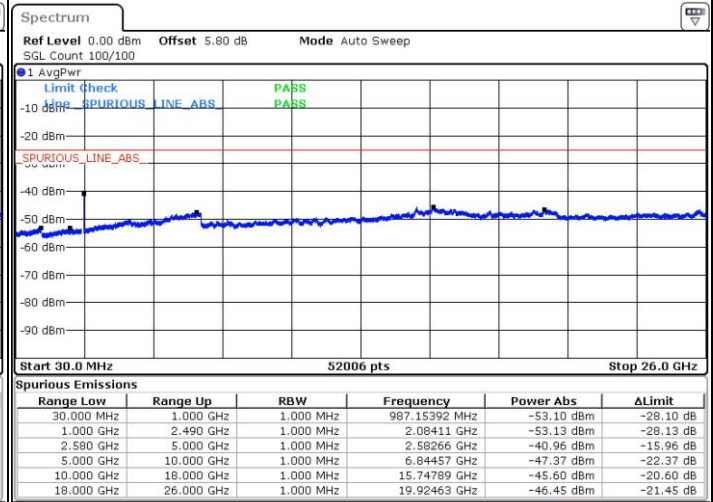
## LTE Band7 / 15MHz

## Highest Channel / QPSK



Date: 23 APR 2016 22:44:27

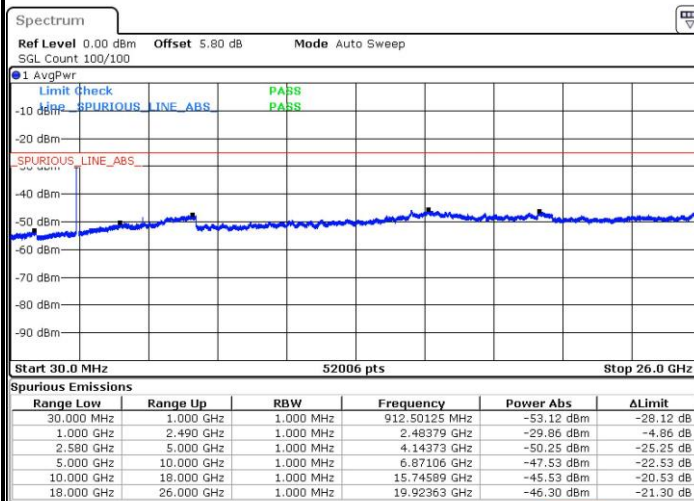
## Highest Channel / 16QAM



Date: 23 APR 2016 22:45:14

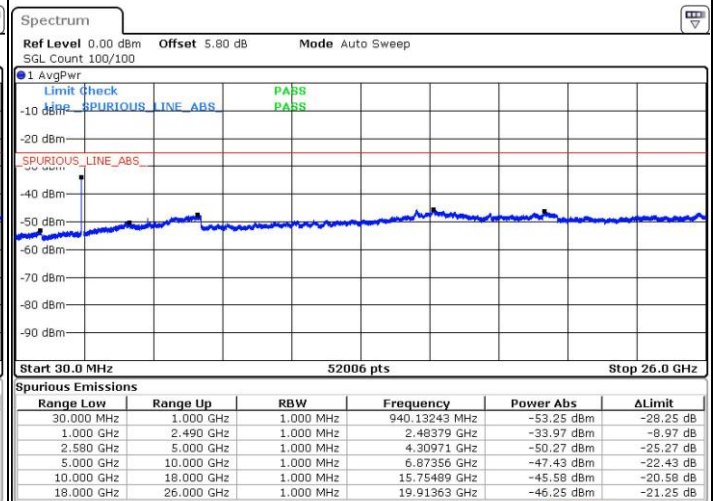
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



Date: 23 APR 2016 22:56:47

## Lowest Channel / 16QAM

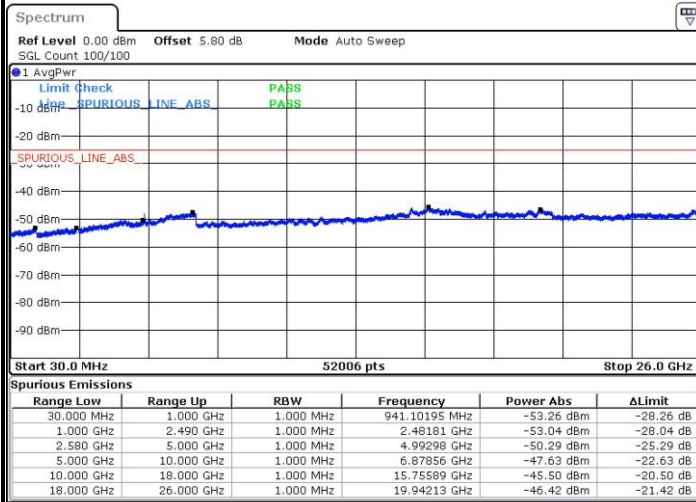


Date: 23 APR 2016 22:55:59



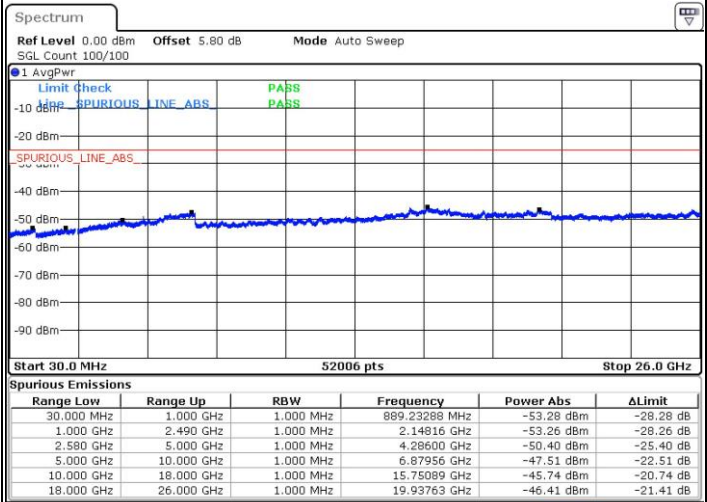
## LTE Band 7 / 20MHz

## Middle Channel / QPSK



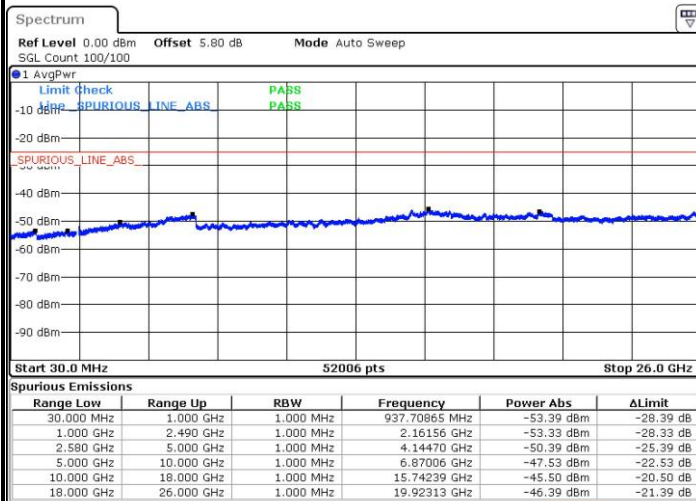
Date: 23 APR 2016 22:57:36

## Middle Channel / 16QAM



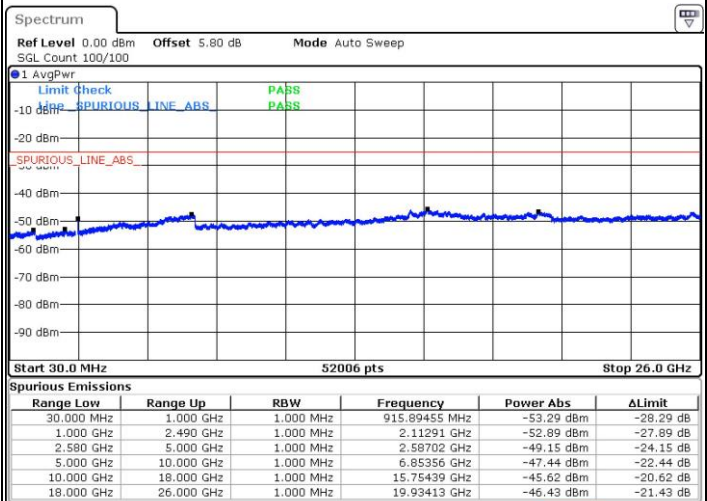
Date: 23 APR 2016 22:58:22

## Highest Channel / QPSK



Date: 23 APR 2016 23:00:00

## Highest Channel / 16QAM

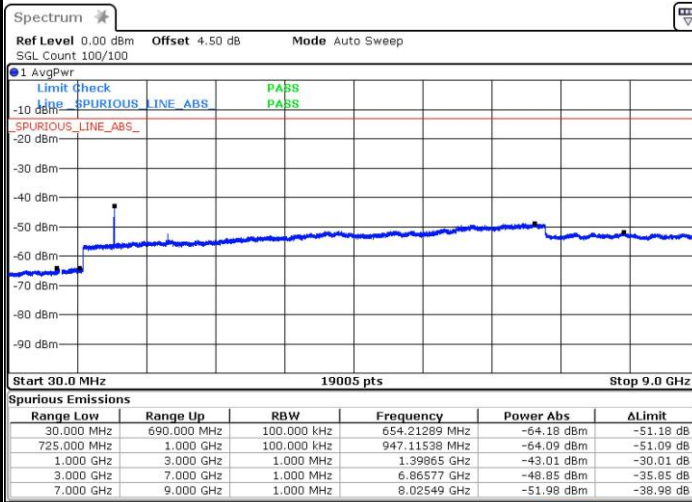


Date: 23 APR 2016 22:59:12



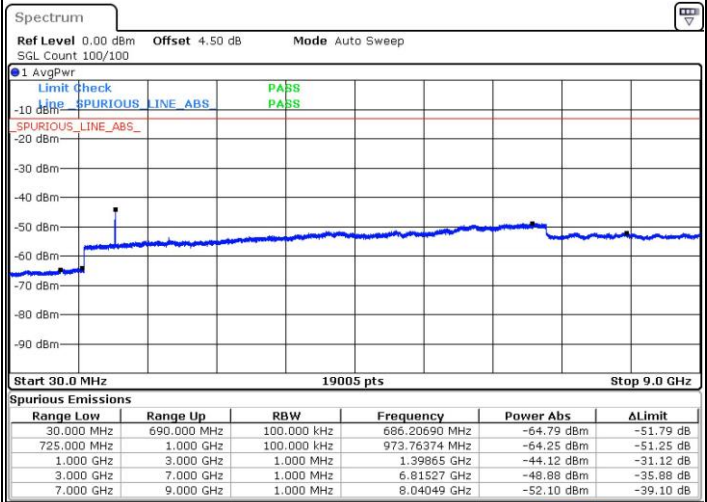
## LTE Band 12 / 1.4MHz

## Lowest Channel / QPSK



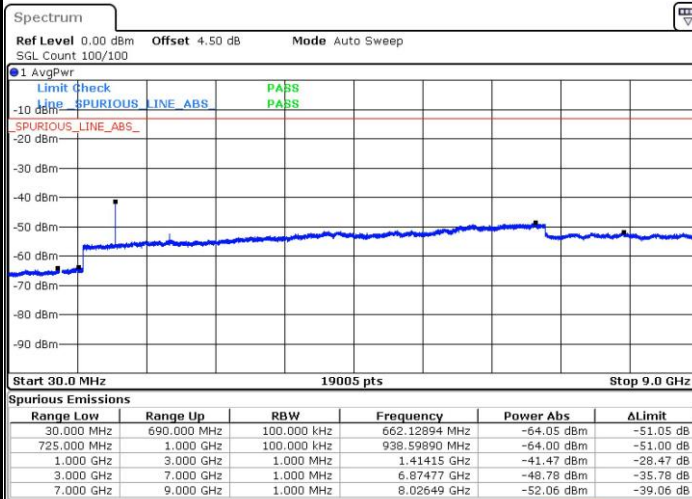
Date: 17.APR.2016 04:18:41

## Lowest Channel / 16QAM



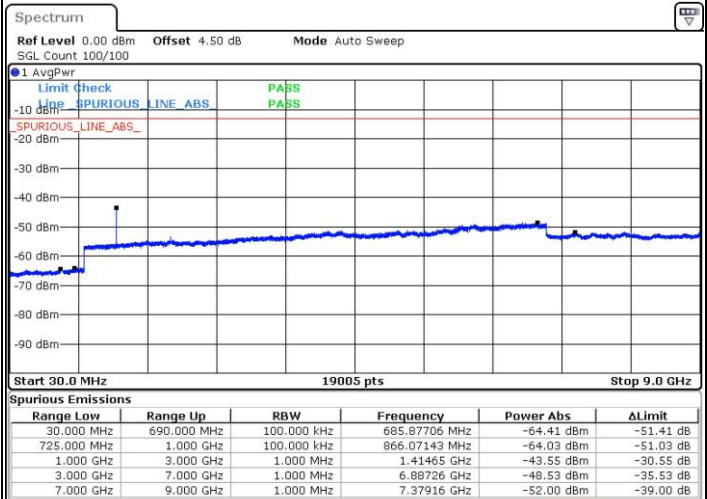
Date: 17.APR.2016 04:17:47

## Middle Channel / QPSK



Date: 17.APR.2016 02:30:26

## Middle Channel / 16QAM

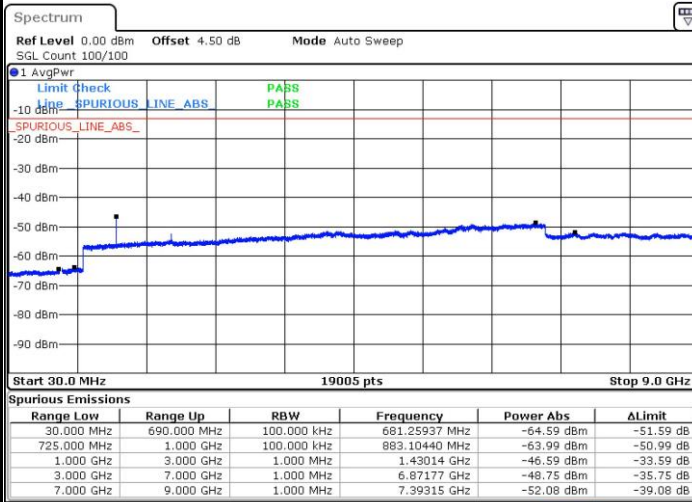


Date: 17.APR.2016 02:29:31



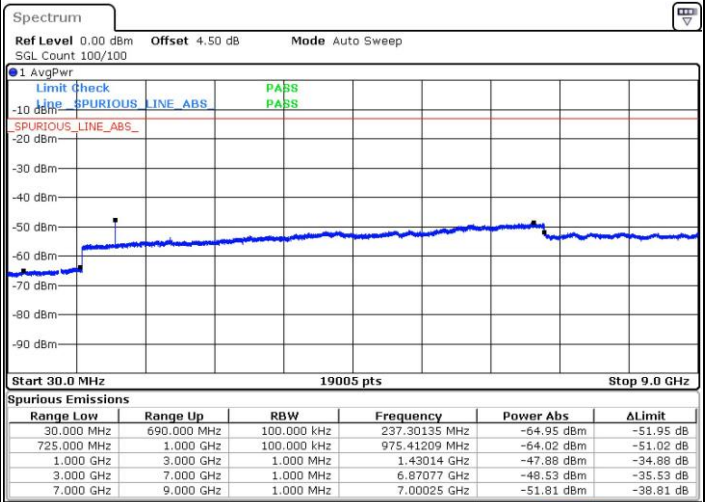
## LTE Band 12 / 1.4MHz

## Highest Channel / QPSK



Date: 17 APR 2016 02:31:21

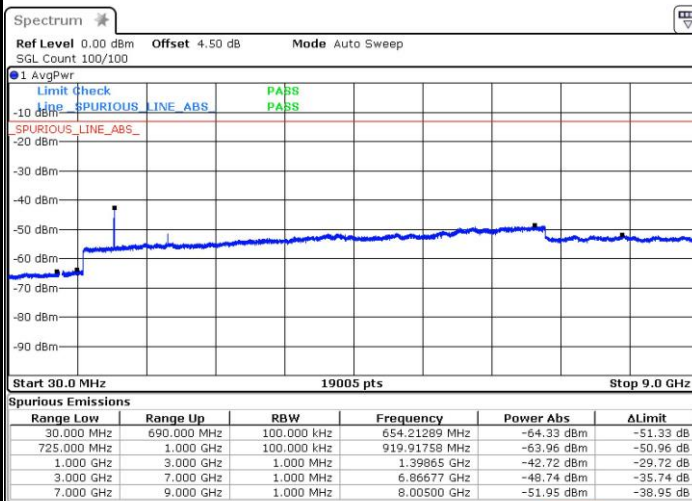
## Highest Channel / 16QAM



Date: 17 APR 2016 02:32:16

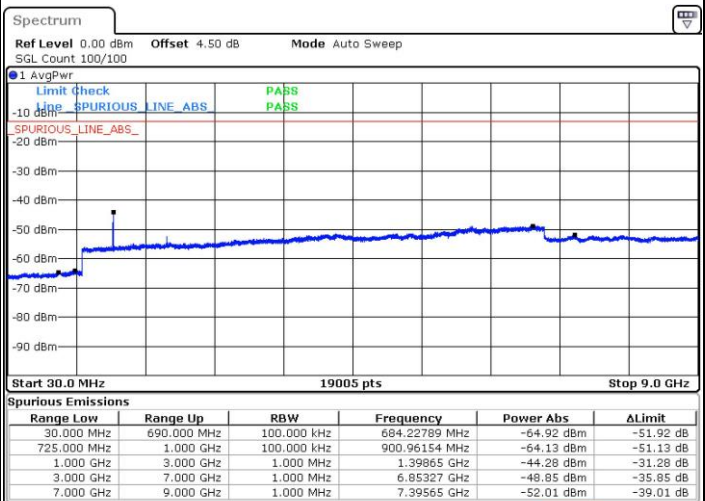
## LTE Band 12 / 3MHz

## Lowest Channel / QPSK



Date: 17 APR 2016 04:22:28

## Lowest Channel / 16QAM

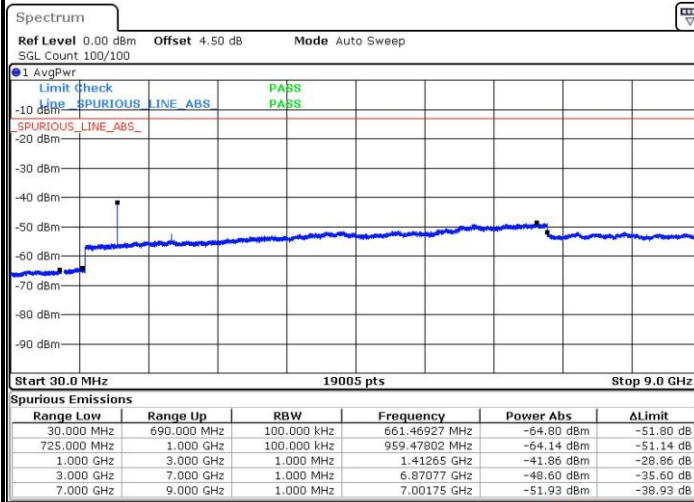


Date: 17 APR 2016 02:52:20



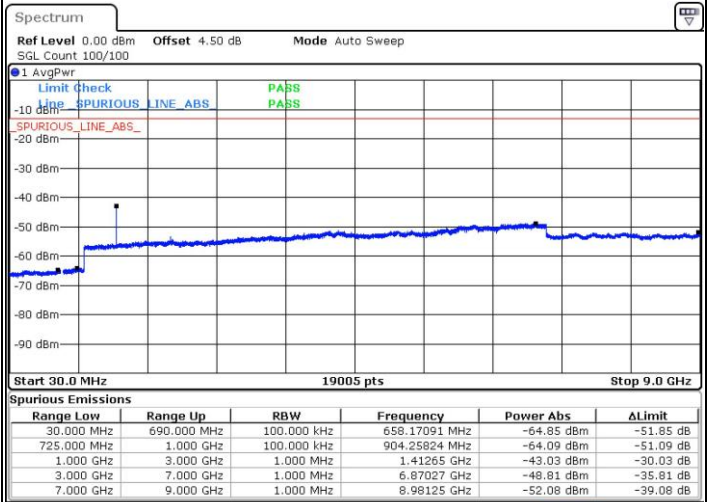
## LTE Band 12 / 3MHz

## Middle Channel / QPSK



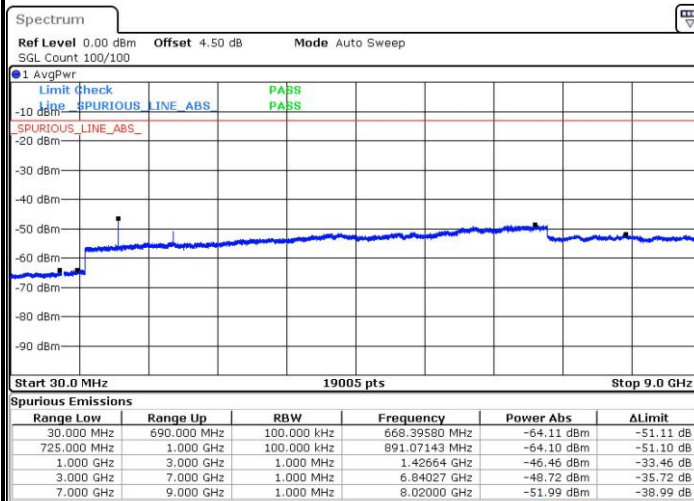
Date: 17.APR.2016 02:54:10

## Middle Channel / 16QAM



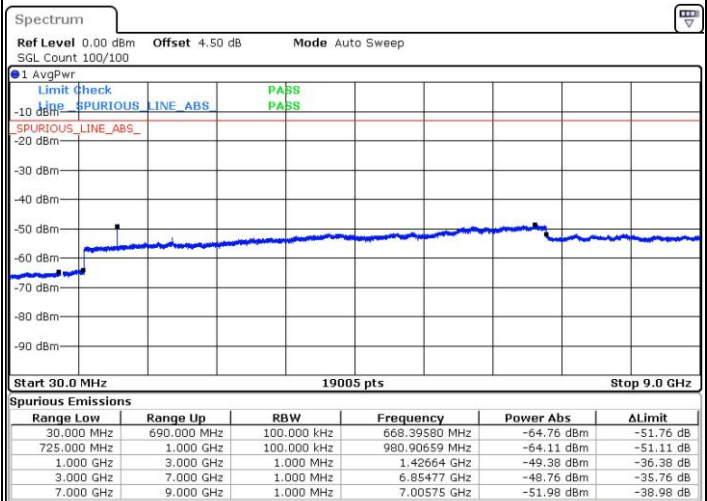
Date: 17.APR.2016 02:53:15

## Highest Channel / QPSK



Date: 17.APR.2016 02:55:05

## Highest Channel / 16QAM

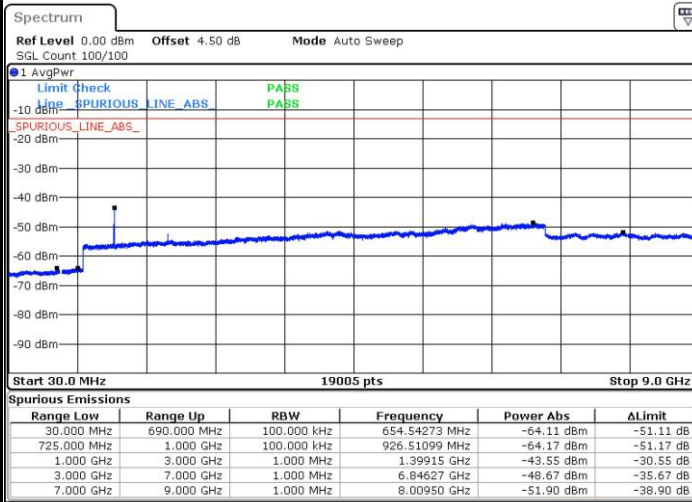


Date: 17.APR.2016 02:56:00



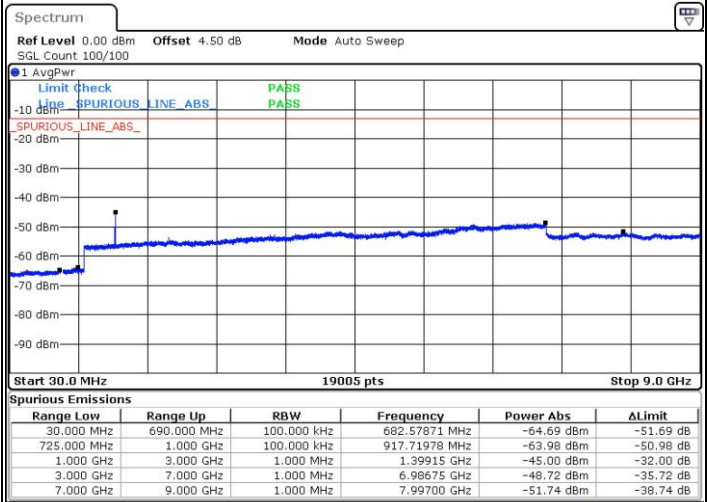
## LTE Band 12 / 5MHz

## Lowest Channel / QPSK



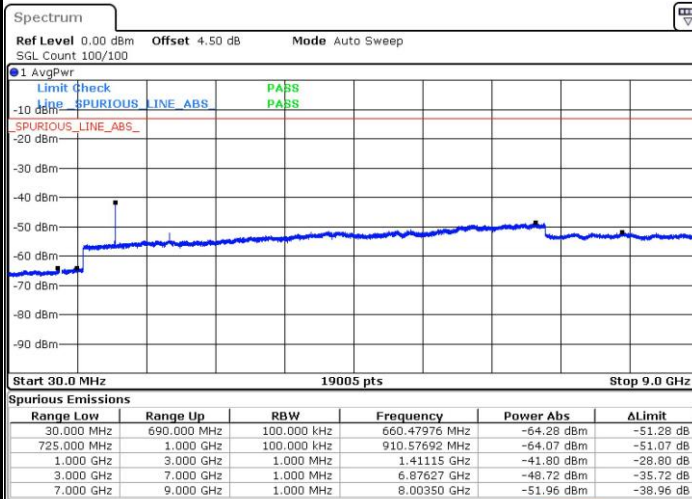
Date: 17.APR.2016 04:24:25

## Lowest Channel / 16QAM



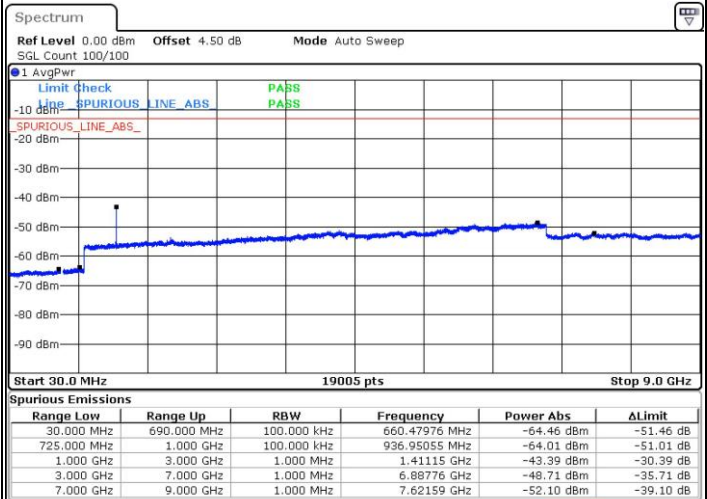
Date: 17.APR.2016 03:16:05

## Middle Channel / QPSK



Date: 17.APR.2016 03:17:55

## Middle Channel / 16QAM

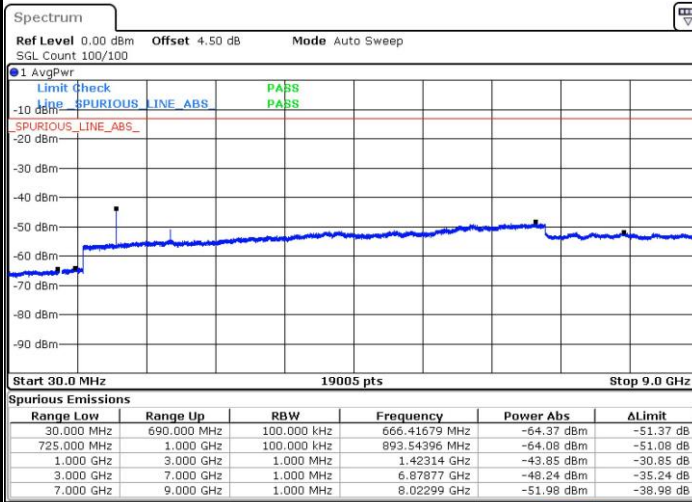


Date: 17.APR.2016 03:17:00



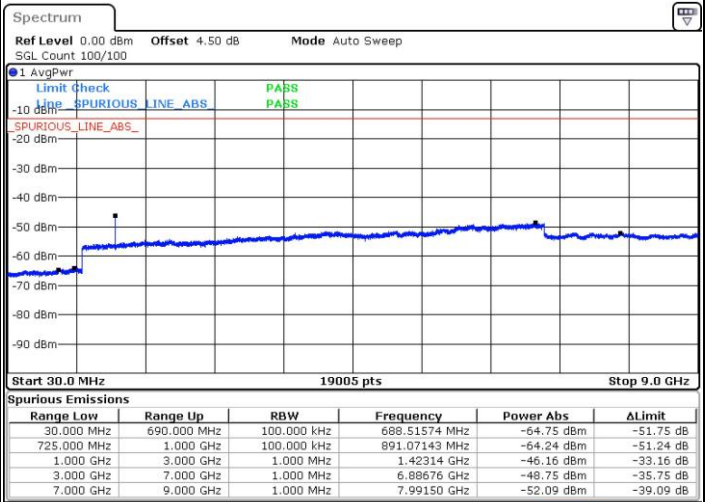
## LTE Band 12 / 5MHz

## Highest Channel / QPSK



Date: 17.APR.2016 03:18:50

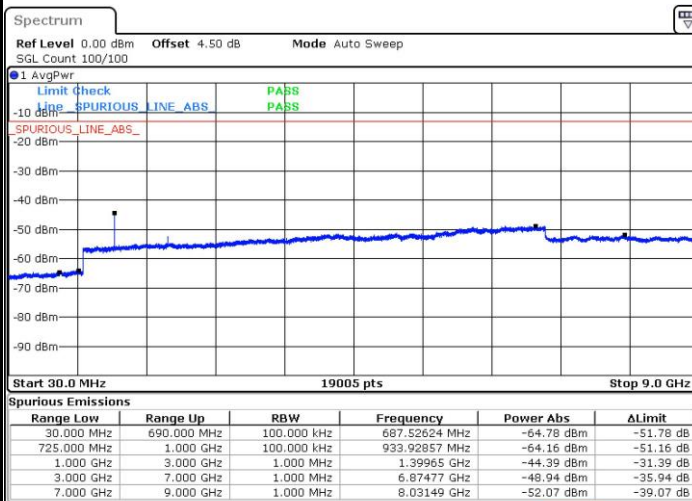
## Highest Channel / 16QAM



Date: 17.APR.2016 03:19:45

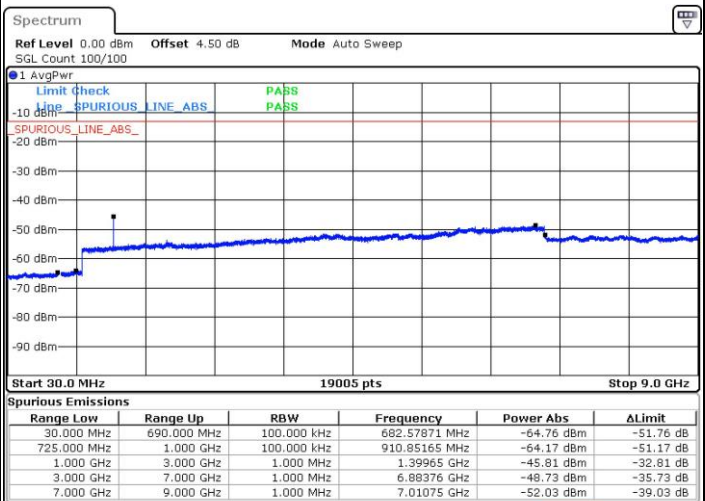
## LTE Band 12 / 10MHz

## Lowest Channel / QPSK



Date: 17.APR.2016 03:38:54

## Lowest Channel / 16QAM

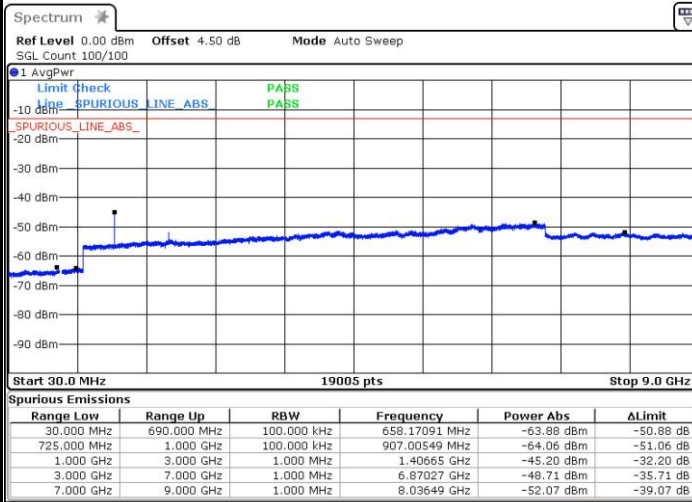


Date: 17.APR.2016 03:39:49



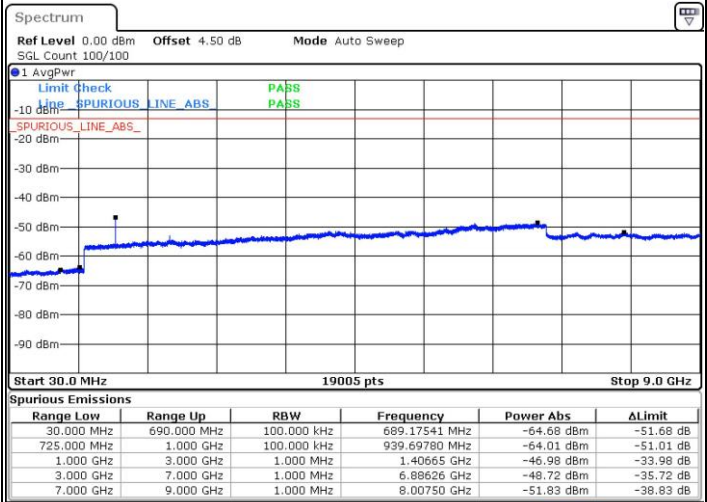
## LTE Band 12 / 10MHz

## Middle Channel / QPSK



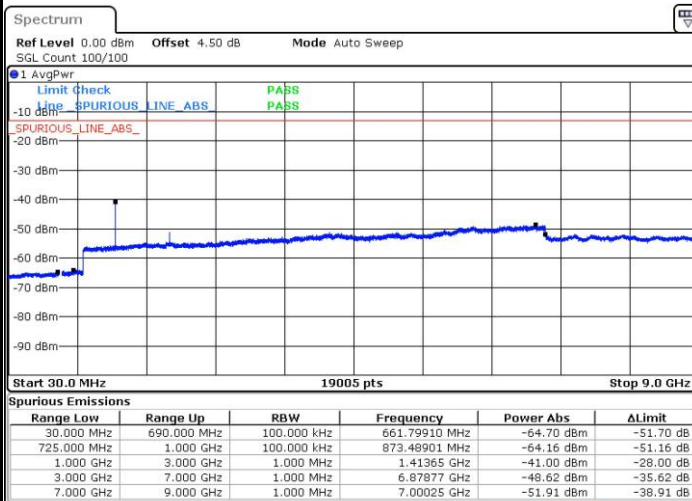
Date: 17.APR.2016 04:27:10

## Middle Channel / 16QAM



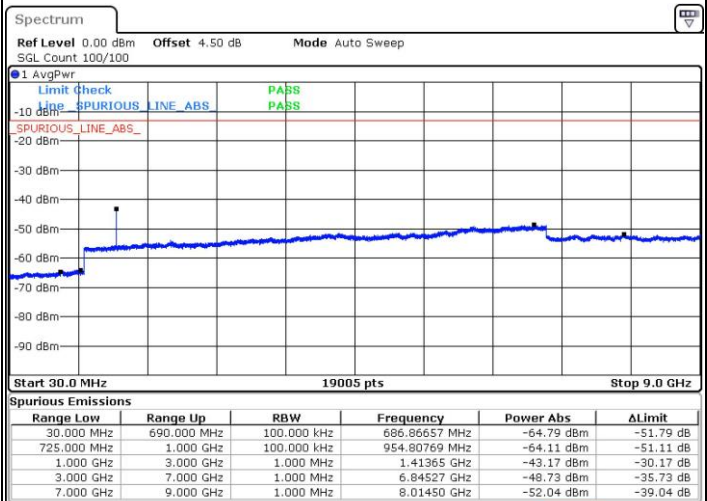
Date: 17.APR.2016 03:40:44

## Highest Channel / QPSK



Date: 17.APR.2016 03:42:34

## Highest Channel / 16QAM

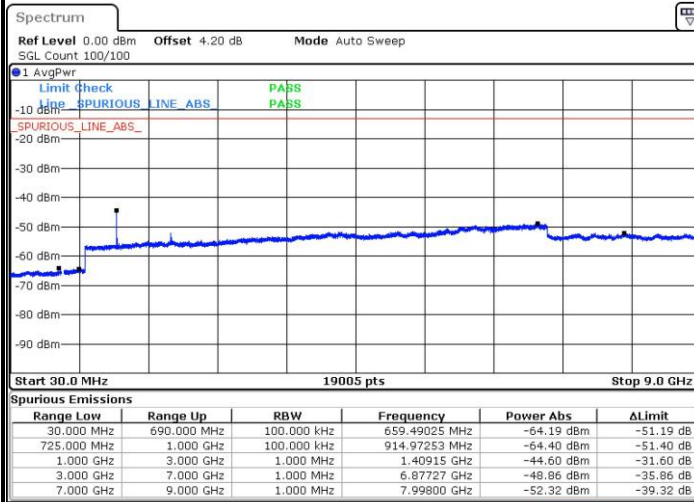


Date: 17.APR.2016 03:43:29



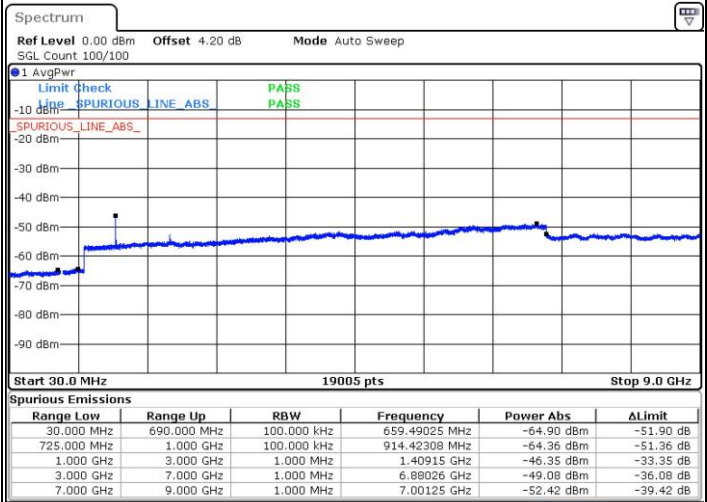
## LTE Band 17 / 5MHz

## Lowest Channel / QPSK



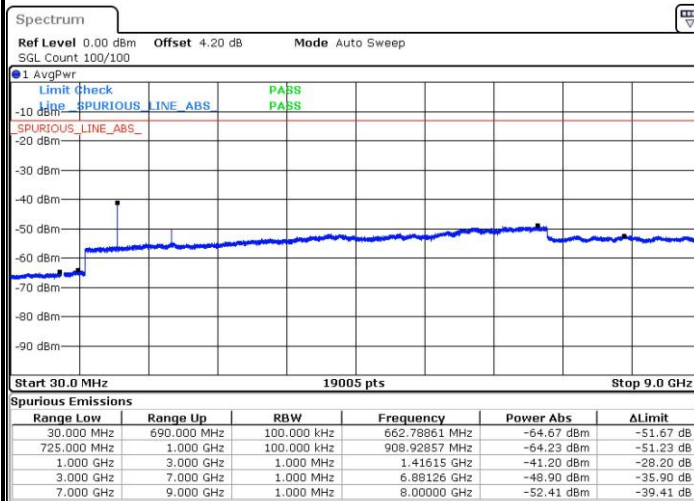
Date: 18 JUL 2016 11:17:39

## Lowest Channel / 16QAM



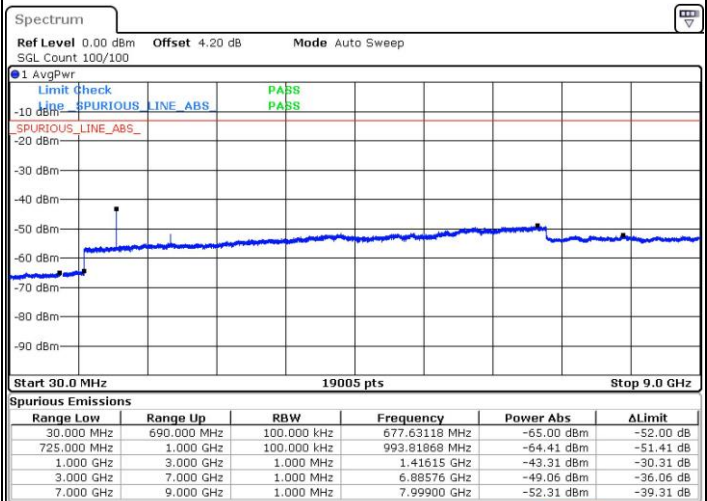
Date: 18 JUL 2016 11:18:34

## Middle Channel / QPSK



Date: 18 JUL 2016 11:20:12

## Middle Channel / 16QAM

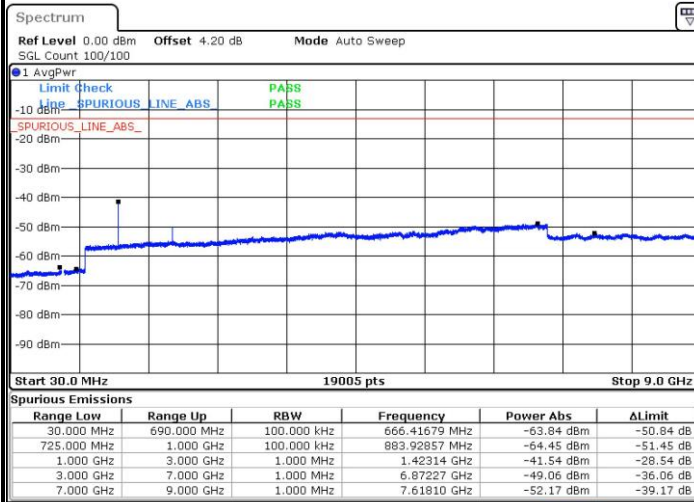


Date: 18 JUL 2016 11:21:07



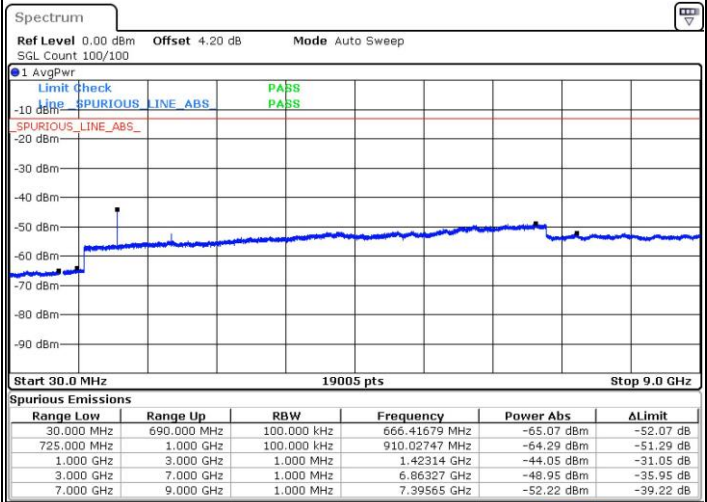
## LTE Band 17 / 5MHz

## Highest Channel / QPSK



Date: 18 JUL 2016 11:27:16

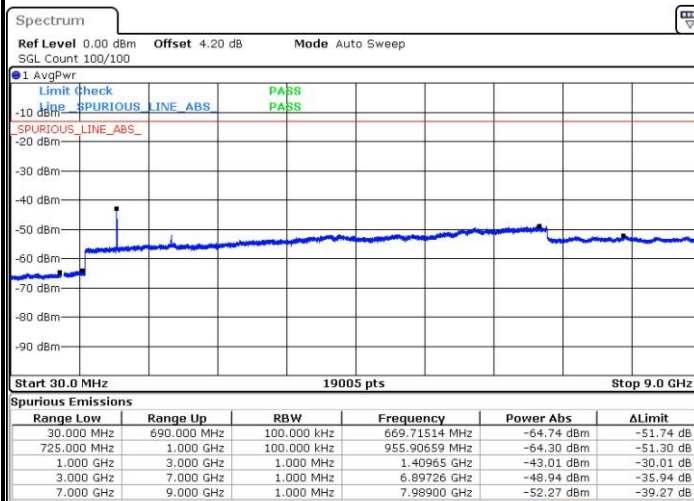
## Highest Channel / 16QAM



Date: 18 JUL 2016 11:28:11

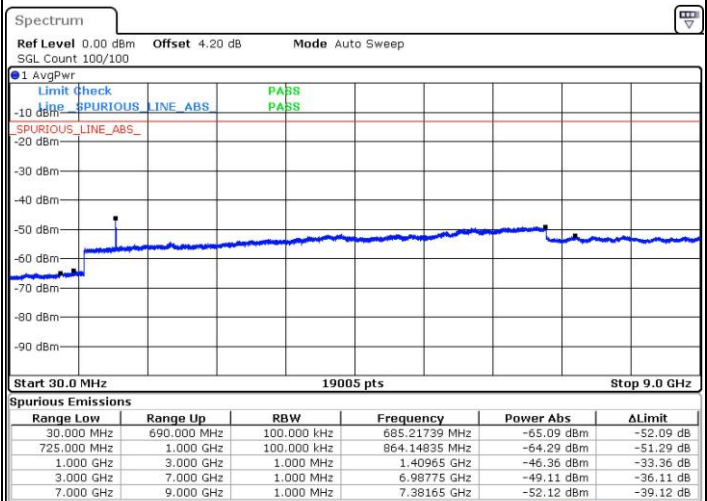
## LTE Band 17 / 10MHz

## Lowest Channel / QPSK



Date: 18 JUL 2016 11:34:20

## Lowest Channel / 16QAM

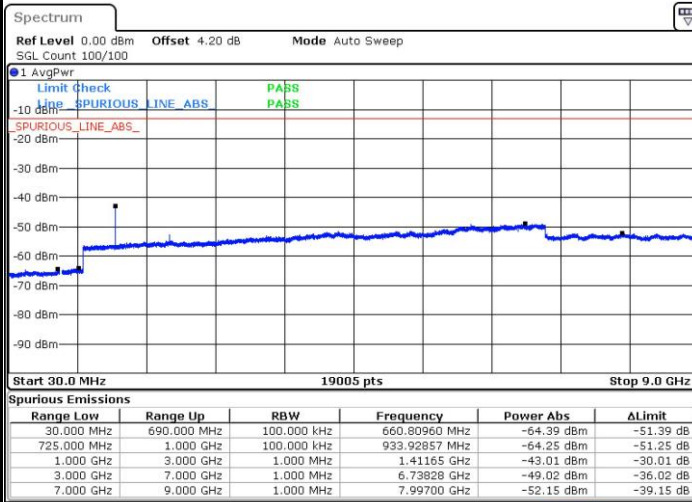


Date: 18 JUL 2016 11:35:15



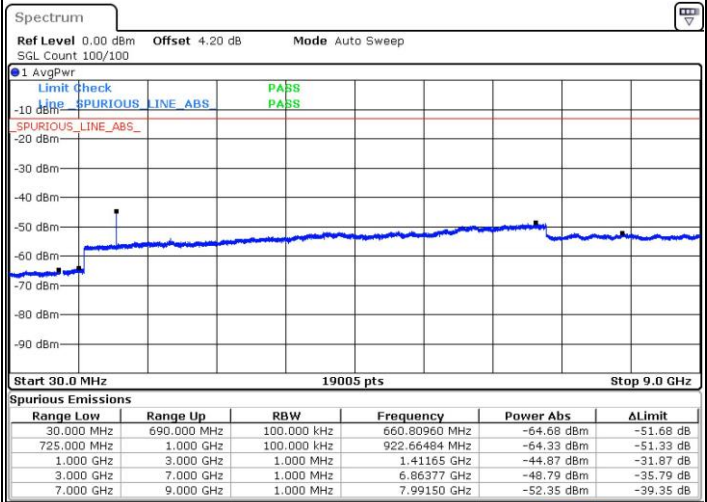
## LTE Band 17 / 10MHz

## Middle Channel / QPSK



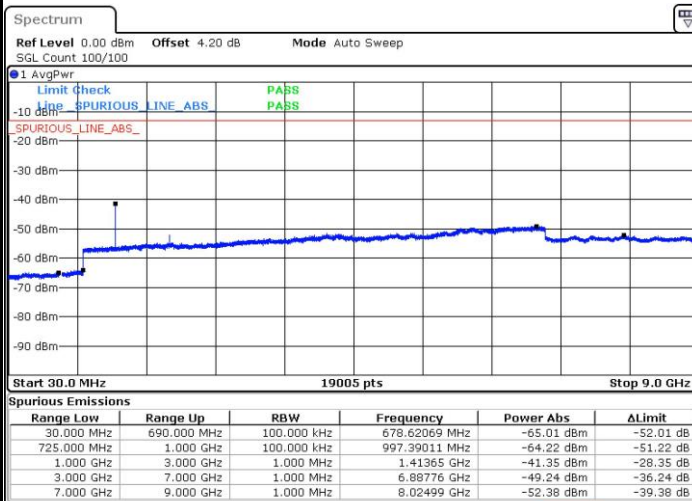
Date: 18 JUL 2016 11:36:52

## Middle Channel / 16QAM



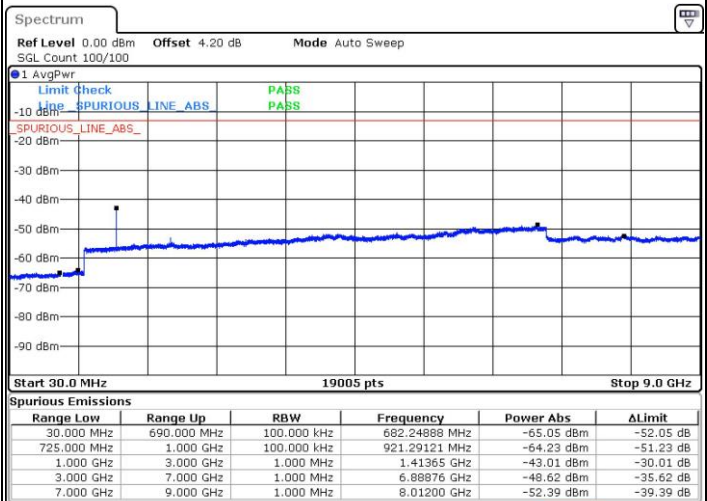
Date: 18 JUL 2016 11:37:47

## Highest Channel / QPSK



Date: 18 JUL 2016 11:43:56

## Highest Channel / 16QAM



Date: 18 JUL 2016 11:44:50

**Frequency Stability**

| Test Conditions  |                   | LTE Band 2 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0024                             | PASS    |
| 40               | Normal Voltage    | 0.0002                             |         |
| 30               | Normal Voltage    | 0.0006                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0012                             |         |
| 0                | Normal Voltage    | 0.0001                             |         |
| -10              | Normal Voltage    | 0.0002                             |         |
| -20              | Normal Voltage    | 0.0009                             |         |
| -30              | Normal Voltage    | 0.0004                             |         |
| 20               | Maximum Voltage   | 0.0018                             |         |
| 20               | Normal Voltage    | 0.0001                             |         |
| 20               | Battery End Point | 0.0023                             |         |

**Note:**

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions     |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation<br>(ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0027                             | PASS    |
| 40                  | Normal Voltage    | 0.0013                             |         |
| 30                  | Normal Voltage    | 0.0016                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0023                             |         |
| 0                   | Normal Voltage    | 0.0027                             |         |
| -10                 | Normal Voltage    | 0.0044                             |         |
| -20                 | Normal Voltage    | 0.0024                             |         |
| -30                 | Normal Voltage    | 0.0017                             |         |
| 20                  | Maximum Voltage   | 0.0011                             |         |
| 20                  | Normal Voltage    | 0.0015                             |         |
| 20                  | Battery End Point | 0.0013                             |         |

**Note:**

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation<br>(ppm)                 | Result |
| 50                  | Normal Voltage    | 0.0004                             | PASS   |
| 40                  | Normal Voltage    | 0.0005                             |        |
| 30                  | Normal Voltage    | 0.0008                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0010                             |        |
| 0                   | Normal Voltage    | 0.0019                             |        |
| -10                 | Normal Voltage    | 0.0012                             |        |
| -20                 | Normal Voltage    | 0.0023                             |        |
| -30                 | Normal Voltage    | 0.0044                             |        |
| 20                  | Maximum Voltage   | 0.0002                             |        |
| 20                  | Normal Voltage    | 0.0005                             |        |
| 20                  | Battery End Point | 0.0014                             |        |

**Note:** Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55V. ; Maximum Voltage =4.35V



| Test Conditions     |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation<br>(ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0008                             | PASS    |
| 40                  | Normal Voltage    | 0.0004                             |         |
| 30                  | Normal Voltage    | 0.0018                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0009                             |         |
| 0                   | Normal Voltage    | 0.0016                             |         |
| -10                 | Normal Voltage    | 0.0017                             |         |
| -20                 | Normal Voltage    | 0.0011                             |         |
| -30                 | Normal Voltage    | 0.0019                             |         |
| 20                  | Maximum Voltage   | 0.0009                             |         |
| 20                  | Normal Voltage    | 0.0005                             |         |
| 20                  | Battery End Point | 0.0021                             |         |

**Note:**

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.35V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

| Test Conditions     |                   | LTE Band 12 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0031                              | PASS    |
| 40                  | Normal Voltage    | 0.0007                              |         |
| 30                  | Normal Voltage    | 0.0004                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0010                              |         |
| 0                   | Normal Voltage    | 0.0023                              |         |
| -10                 | Normal Voltage    | 0.0020                              |         |
| -20                 | Normal Voltage    | 0.0004                              |         |
| -30                 | Normal Voltage    | 0.0017                              |         |
| 20                  | Maximum Voltage   | 0.0030                              |         |
| 20                  | Normal Voltage    | 0.0024                              |         |
| 20                  | Battery End Point | 0.0001                              |         |

**Note:**

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions     |                   | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0007                              | PASS    |
| 40                  | Normal Voltage    | 0.0042                              |         |
| 30                  | Normal Voltage    | 0.0006                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0003                              |         |
| 0                   | Normal Voltage    | 0.0052                              |         |
| -10                 | Normal Voltage    | 0.0024                              |         |
| -20                 | Normal Voltage    | 0.0042                              |         |
| -30                 | Normal Voltage    | 0.0008                              |         |
| 20                  | Maximum Voltage   | 0.0039                              |         |
| 20                  | Normal Voltage    | 0.0048                              |         |
| 20                  | Battery End Point | 0.0037                              |         |

**Note:**

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## Appendix B. Test Results of Radiated Test

### ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 3    | 3      | 24.31      | 0.2698  | 24.57     | 0.2864  |
| Middle                        |            | 3    | 1      | 25.19      | 0.3304  | 25.35     | 0.3428  |
| Highest                       |            | 3    | 1      | 25.37      | 0.3443  | 25.54     | 0.3581  |
| Lowest                        | 16QAM      | 3    | 1      | 22.91      | 0.1954  | 23.12     | 0.2051  |
| Middle                        |            | 1    | 5      | 24.18      | 0.2618  | 24.24     | 0.2655  |
| Highest                       |            | 1    | 3      | 24.37      | 0.2735  | 24.33     | 0.2710  |
| Limit                         | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 2 / 3MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 14     | 24.63      | 0.2904  | 24.80     | 0.3020  |
| Middle                      |            | 1    | 8      | 25.16      | 0.3281  | 25.45     | 0.3508  |
| Highest                     |            | 1    | 8      | 25.52      | 0.3565  | 25.69     | 0.3707  |
| Lowest                      | 16QAM      | 1    | 0      | 23.21      | 0.2094  | 23.57     | 0.2275  |
| Middle                      |            | 1    | 0      | 23.81      | 0.2404  | 24.27     | 0.2673  |
| Highest                     |            | 1    | 0      | 24.31      | 0.2698  | 24.43     | 0.2773  |
| Limit                       | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 2 / 5MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 12     | 24.84      | 0.3048  | 25.12     | 0.3251  |
| Middle                      |            | 1    | 12     | 25.08      | 0.3221  | 25.47     | 0.3524  |
| Highest                     |            | 1    | 12     | 25.83      | 0.3828  | 25.89     | 0.3882  |
| Lowest                      | 16QAM      | 1    | 0      | 23.69      | 0.2339  | 23.97     | 0.2495  |
| Middle                      |            | 1    | 12     | 24.26      | 0.2667  | 24.51     | 0.2825  |
| Highest                     |            | 1    | 12     | 24.68      | 0.2938  | 24.59     | 0.2877  |
| Limit                       | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 2 / 10MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 25     | 24.83      | 0.3041  | 25.12     | 0.3251  |
| Middle                       |            | 1    | 25     | 25.23      | 0.3334  | 25.54     | 0.3581  |
| Highest                      |            | 1    | 25     | 25.66      | 0.3681  | 26.16     | 0.4130  |
| Lowest                       | 16QAM      | 1    | 0      | 23.07      | 0.2028  | 23.35     | 0.2163  |
| Middle                       |            | 1    | 25     | 24.09      | 0.2564  | 24.36     | 0.2729  |
| Highest                      |            | 1    | 25     | 24.04      | 0.2535  | 24.86     | 0.3062  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 2 / 15MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 37     | 24.81      | 0.3027  | 25.09     | 0.3228  |
| Middle                       |            | 1    | 37     | 25.20      | 0.3311  | 25.66     | 0.3681  |
| Highest                      |            | 1    | 74     | 25.64      | 0.3664  | 26.15     | 0.4121  |
| Lowest                       | 16QAM      | 1    | 37     | 23.25      | 0.2113  | 23.34     | 0.2158  |
| Middle                       |            | 1    | 37     | 23.84      | 0.2421  | 24.38     | 0.2742  |
| Highest                      |            | 1    | 37     | 24.00      | 0.2512  | 24.48     | 0.2805  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 2 / 20MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 49     | 24.85      | 0.3055  | 24.84     | 0.3048  |
| Middle                       |            | 1    | 49     | 25.41      | 0.3475  | 25.75     | 0.3758  |
| Highest                      |            | 1    | 49     | 25.45      | 0.3508  | 26.01     | 0.3990  |
| Lowest                       | 16QAM      | 1    | 49     | 23.20      | 0.2089  | 23.33     | 0.2153  |
| Middle                       |            | 1    | 49     | 23.48      | 0.2228  | 23.71     | 0.2350  |
| Highest                      |            | 1    | 99     | 23.86      | 0.2432  | 24.40     | 0.2754  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 4 / 1.4MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 1    | 0      | 25.50      | 0.3548  | 24.83     | 0.3041  |
| Middle                        |            | 1    | 5      | 25.14      | 0.3266  | 24.88     | 0.3076  |
| Highest                       |            | 1    | 5      | 24.45      | 0.2786  | 24.43     | 0.2773  |
| Lowest                        | 16QAM      | 1    | 5      | 24.15      | 0.2600  | 23.49     | 0.2234  |
| Middle                        |            | 1    | 5      | 23.95      | 0.2483  | 23.66     | 0.2323  |
| Highest                       |            | 1    | 5      | 23.39      | 0.2183  | 23.38     | 0.2178  |
| Limit                         | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 3MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 8      | 25.34      | 0.3420  | 24.66     | 0.2924  |
| Middle                      |            | 1    | 8      | 25.25      | 0.3350  | 24.97     | 0.3141  |
| Highest                     |            | 1    | 8      | 24.59      | 0.2877  | 24.54     | 0.2844  |
| Lowest                      | 16QAM      | 1    | 8      | 24.02      | 0.2523  | 23.42     | 0.2198  |
| Middle                      |            | 1    | 8      | 24.32      | 0.2704  | 23.86     | 0.2432  |
| Highest                     |            | 1    | 14     | 23.23      | 0.2104  | 23.24     | 0.2109  |
| Limit                       | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 5MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 12     | 25.62      | 0.3648  | 24.97     | 0.3141  |
| Middle                      |            | 1    | 12     | 25.44      | 0.3499  | 25.09     | 0.3228  |
| Highest                     |            | 1    | 12     | 24.22      | 0.2642  | 24.38     | 0.2742  |
| Lowest                      | 16QAM      | 1    | 12     | 23.36      | 0.2168  | 22.84     | 0.1923  |
| Middle                      |            | 1    | 0      | 23.98      | 0.2500  | 23.70     | 0.2344  |
| Highest                     |            | 1    | 12     | 23.09      | 0.2037  | 23.31     | 0.2143  |
| Limit                       | EIRP < 1W  |      |        | Result     |         | PASS      |         |



| LTE Band 4/ 10MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 25     | 26.18      | 0.4150  | 25.47     | 0.3524  |
| Middle                      |            | 1    | 25     | 25.09      | 0.3228  | 25.02     | 0.3177  |
| Highest                     |            | 1    | 25     | 24.82      | 0.3034  | 25.07     | 0.3214  |
| Lowest                      | 16QAM      | 1    | 49     | 23.91      | 0.2460  | 23.28     | 0.2128  |
| Middle                      |            | 1    | 25     | 24.15      | 0.2600  | 23.75     | 0.2371  |
| Highest                     |            | 1    | 25     | 23.34      | 0.2158  | 23.36     | 0.2168  |
| Limit                       | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 15MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 37     | 26.32      | 0.4285  | 25.63     | 0.3656  |
| Middle                       |            | 1    | 37     | 25.94      | 0.3926  | 25.67     | 0.3690  |
| Highest                      |            | 1    | 37     | 25.22      | 0.3327  | 25.33     | 0.3412  |
| Lowest                       | 16QAM      | 1    | 74     | 24.84      | 0.3048  | 24.19     | 0.2624  |
| Middle                       |            | 1    | 74     | 24.61      | 0.2891  | 24.50     | 0.2818  |
| Highest                      |            | 1    | 37     | 23.40      | 0.2188  | 23.52     | 0.2249  |
| Limit                        | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 20MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 49     | 25.78      | 0.3784  | 25.06     | 0.3206  |
| Middle                       |            | 1    | 49     | 25.74      | 0.3750  | 25.66     | 0.3681  |
| Highest                      |            | 1    | 49     | 25.68      | 0.3698  | 25.39     | 0.3459  |
| Lowest                       | 16QAM      | 1    | 0      | 24.22      | 0.2642  | 23.57     | 0.2275  |
| Middle                       |            | 1    | 0      | 24.33      | 0.2710  | 24.10     | 0.2570  |
| Highest                      |            | 1    | 49     | 23.95      | 0.2483  | 23.66     | 0.2323  |
| Limit                        | EIRP < 1W  |      |        | Result     |         | PASS      |         |



| LTE Band 5 / 1.4MHz (Average) |            |      |        |            |        |          |        |
|-------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                       | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                               |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                        | QPSK       | 3    | 1      | 17.80      | 0.0603 | 11.96    | 0.0157 |
| Middle                        |            | 3    | 1      | 17.96      | 0.0625 | 11.40    | 0.0138 |
| Highest                       |            | 3    | 1      | 18.89      | 0.0774 | 11.40    | 0.0138 |
| Lowest                        | 16QAM      | 3    | 3      | 17.21      | 0.0526 | 10.46    | 0.0111 |
| Middle                        |            | 3    | 3      | 17.59      | 0.0574 | 10.33    | 0.0108 |
| Highest                       |            | 3    | 3      | 17.95      | 0.0624 | 10.36    | 0.0109 |
| Limit                         | ERP < 7W   |      |        | Result     |        | PASS     |        |

| LTE Band 5 / 3MHz (Average) |            |      |        |            |        |          |        |
|-----------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                     | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                             |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                      | QPSK       | 1    | 8      | 17.20      | 0.0525 | 11.26    | 0.0134 |
| Middle                      |            | 1    | 8      | 17.75      | 0.0596 | 10.91    | 0.0123 |
| Highest                     |            | 1    | 0      | 18.23      | 0.0665 | 11.16    | 0.0131 |
| Lowest                      | 16QAM      | 1    | 0      | 16.53      | 0.0450 | 9.81     | 0.0096 |
| Middle                      |            | 1    | 0      | 16.98      | 0.0499 | 9.77     | 0.0095 |
| Highest                     |            | 1    | 14     | 17.39      | 0.0548 | 10.27    | 0.0106 |
| Limit                       | ERP < 7W   |      |        | Result     |        | PASS     |        |



| LTE Band 5 / 5MHz (Average) |            |      |        |            |        |          |        |
|-----------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                     | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                             |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                      | QPSK       | 1    | 12     | 17.24      | 0.0530 | 11.12    | 0.0129 |
| Middle                      |            | 1    | 12     | 17.83      | 0.0607 | 10.92    | 0.0124 |
| Highest                     |            | 1    | 12     | 18.20      | 0.0661 | 11.19    | 0.0132 |
| Lowest                      | 16QAM      | 1    | 12     | 15.65      | 0.0367 | 10.24    | 0.0106 |
| Middle                      |            | 1    | 12     | 17.22      | 0.0527 | 10.06    | 0.0101 |
| Highest                     |            | 1    | 0      | 17.43      | 0.0553 | 10.06    | 0.0101 |
| Limit                       | ERP < 7W   |      |        | Result     |        | PASS     |        |

| LTE Band 5 / 10MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 25     | 17.61      | 0.0577 | 11.37    | 0.0137 |
| Middle                       |            | 1    | 25     | 17.84      | 0.0608 | 11.13    | 0.0130 |
| Highest                      |            | 1    | 25     | 18.24      | 0.0667 | 11.32    | 0.0136 |
| Lowest                       | 16QAM      | 1    | 49     | 16.52      | 0.0449 | 9.55     | 0.0090 |
| Middle                       |            | 1    | 25     | 17.23      | 0.0528 | 9.84     | 0.0096 |
| Highest                      |            | 1    | 0      | 16.81      | 0.0480 | 9.37     | 0.0086 |
| Limit                        | ERP < 7W   |      |        | Result     |        | PASS     |        |



| LTE Band 7 / 5MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 12     | 23.02      | 0.2004  | 21.35     | 0.1365  |
| Middle                      |            | 1    | 12     | 22.25      | 0.1679  | 20.36     | 0.1086  |
| Highest                     |            | 1    | 12     | 21.57      | 0.1435  | 20.00     | 0.1000  |
| Lowest                      | 16QAM      | 1    | 0      | 21.91      | 0.1552  | 19.94     | 0.0986  |
| Middle                      |            | 1    | 12     | 20.62      | 0.1153  | 18.96     | 0.0787  |
| Highest                     |            | 1    | 12     | 20.38      | 0.1091  | 18.72     | 0.0745  |
| Limit                       | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 10MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 25     | 23.23      | 0.2104  | 21.48     | 0.1406  |
| Middle                       |            | 1    | 25     | 22.16      | 0.1644  | 20.49     | 0.1119  |
| Highest                      |            | 1    | 25     | 21.66      | 0.1466  | 19.89     | 0.0975  |
| Lowest                       | 16QAM      | 1    | 25     | 21.96      | 0.1570  | 20.33     | 0.1079  |
| Middle                       |            | 1    | 25     | 20.74      | 0.1186  | 18.77     | 0.0753  |
| Highest                      |            | 1    | 25     | 20.28      | 0.1067  | 18.57     | 0.0719  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 7 / 15MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 37     | 22.98      | 0.1986  | 21.33     | 0.1358  |
| Middle                       |            | 1    | 37     | 22.14      | 0.1637  | 20.37     | 0.1089  |
| Highest                      |            | 1    | 37     | 21.79      | 0.1510  | 20.13     | 0.1030  |
| Lowest                       | 16QAM      | 1    | 0      | 21.83      | 0.1524  | 20.19     | 0.1045  |
| Middle                       |            | 1    | 37     | 20.82      | 0.1208  | 18.73     | 0.0746  |
| Highest                      |            | 1    | 74     | 20.05      | 0.1012  | 18.47     | 0.0703  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 20MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 49     | 23.07      | 0.2028  | 21.13     | 0.1297  |
| Middle                       |            | 1    | 49     | 22.11      | 0.1626  | 20.09     | 0.1021  |
| Highest                      |            | 1    | 49     | 21.85      | 0.1531  | 20.26     | 0.1062  |
| Lowest                       | 16QAM      | 1    | 0      | 21.97      | 0.1574  | 20.26     | 0.1062  |
| Middle                       |            | 1    | 99     | 20.03      | 0.1007  | 18.54     | 0.0714  |
| Highest                      |            | 1    | 49     | 20.18      | 0.1042  | 18.50     | 0.0708  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 12 / 1.4MHz (Average) |            |      |        |            |        |          |        |
|--------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                        | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                                |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                         | QPSK       | 3    | 3      | 16.10      | 0.0407 | 3.06     | 0.0020 |
| Middle                         |            | 3    | 3      | 16.58      | 0.0455 | 3.97     | 0.0025 |
| Highest                        |            | 3    | 3      | 17.24      | 0.0530 | 5.24     | 0.0033 |
| Lowest                         | 16QAM      | 1    | 3      | 15.00      | 0.0316 | 1.58     | 0.0014 |
| Middle                         |            | 3    | 0      | 15.84      | 0.0384 | 3.61     | 0.0023 |
| Highest                        |            | 3    | 1      | 16.35      | 0.0432 | 4.46     | 0.0028 |
| Limit                          | ERP < 3W   |      |        | Result     |        | PASS     |        |

| LTE Band 12 / 3MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 8      | 16.68      | 0.0466 | 3.81     | 0.0024 |
| Middle                       |            | 1    | 8      | 16.90      | 0.0490 | 3.95     | 0.0025 |
| Highest                      |            | 1    | 8      | 17.42      | 0.0552 | 4.20     | 0.0026 |
| Lowest                       | 16QAM      | 1    | 8      | 14.94      | 0.0312 | 2.56     | 0.0018 |
| Middle                       |            | 1    | 0      | 15.04      | 0.0319 | 1.99     | 0.0016 |
| Highest                      |            | 1    | 0      | 15.90      | 0.0389 | 3.10     | 0.0020 |
| Limit                        | ERP < 3W   |      |        | Result     |        | PASS     |        |



| LTE Band 12 / 5MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 12     | 16.84      | 0.0483 | 3.59     | 0.0023 |
| Middle                       |            | 1    | 12     | 17.01      | 0.0502 | 3.84     | 0.0024 |
| Highest                      |            | 1    | 12     | 17.51      | 0.0564 | 4.27     | 0.0027 |
| Lowest                       | 16QAM      | 1    | 12     | 15.12      | 0.0325 | 2.65     | 0.0018 |
| Middle                       |            | 1    | 24     | 14.83      | 0.0304 | 2.45     | 0.0018 |
| Highest                      |            | 1    | 24     | 15.65      | 0.0367 | 3.60     | 0.0023 |
| Limit                        | ERP < 3W   |      |        | Result     |        | PASS     |        |

| LTE Band 12 / 10MHz (Average) |            |      |        |            |        |          |        |
|-------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                       | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                               |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                        | QPSK       | 1    | 25     | 17.06      | 0.0508 | 3.39     | 0.0022 |
| Middle                        |            | 1    | 25     | 16.63      | 0.0460 | 3.51     | 0.0022 |
| Highest                       |            | 1    | 25     | 17.25      | 0.0531 | 4.13     | 0.0026 |
| Lowest                        | 16QAM      | 1    | 25     | 15.41      | 0.0348 | 2.75     | 0.0019 |
| Middle                        |            | 1    | 25     | 14.85      | 0.0305 | 2.01     | 0.0016 |
| Highest                       |            | 1    | 25     | 15.28      | 0.0337 | 2.07     | 0.0016 |
| Limit                         | ERP < 3W   |      |        | Result     |        | PASS     |        |



| LTE Band 17 / 5MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 12     | 16.41      | 0.0438 | 3.14     | 0.0021 |
| Middle                       |            | 1    | 12     | 17.66      | 0.0583 | 4.53     | 0.0028 |
| Highest                      |            | 1    | 12     | 17.28      | 0.0535 | 5.53     | 0.0036 |
| Lowest                       | 16QAM      | 1    | 12     | 15.48      | 0.0353 | 2.98     | 0.0020 |
| Middle                       |            | 1    | 12     | 16.21      | 0.0418 | 3.03     | 0.0020 |
| Highest                      |            | 1    | 0      | 16.64      | 0.0461 | 4.21     | 0.0026 |
| Limit                        | ERP < 3W   |      |        | Result     |        | PASS     |        |

| LTE Band 17 / 10MHz (Average) |            |      |        |            |        |          |        |
|-------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                       | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                               |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                        | QPSK       | 1    | 0      | 17.89      | 0.0615 | 5.10     | 0.0032 |
| Middle                        |            | 1    | 0      | 17.83      | 0.0607 | 5.45     | 0.0035 |
| Highest                       |            | 1    | 0      | 17.98      | 0.0628 | 5.38     | 0.0035 |
| Lowest                        | 16QAM      | 1    | 25     | 16.77      | 0.0475 | 4.52     | 0.0028 |
| Middle                        |            | 1    | 49     | 16.50      | 0.0447 | 4.10     | 0.0026 |
| Highest                       |            | 1    | 25     | 16.71      | 0.0469 | 4.20     | 0.0026 |
| Limit                         | ERP < 3W   |      |        | Result     |        | PASS     |        |

**Radiated Spurious Emission****LTE Band 2**

| LTE Band 2 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3700                 | -56.88          | -13              | -43.88                  | -77.4                   | -63.45                   | 1.67                       | 8.24                        | H                     |
|                            | 5550                 | -53.02          | -13              | -40.02                  | -79.67                  | -60.09                   | 2.65                       | 9.72                        | H                     |
|                            | 7400                 | -46.43          | -13              | -33.43                  | -79.63                  | -55.57                   | 2.46                       | 11.60                       | H                     |
|                            | 3700                 | -57.46          | -13              | -44.46                  | -77.98                  | -64.03                   | 1.67                       | 8.24                        | V                     |
|                            | 5550                 | -53.22          | -13              | -40.22                  | -79.87                  | -60.29                   | 2.65                       | 9.72                        | V                     |
|                            | 7400                 | -46.79          | -13              | -33.79                  | -79.99                  | -55.93                   | 2.46                       | 11.60                       | V                     |
| Middle                     | 3759                 | -56.78          | -13              | -43.78                  | -77.37                  | -63.41                   | 1.69                       | 8.31                        | H                     |
|                            | 5638                 | -52.65          | -13              | -39.65                  | -79.54                  | -59.7                    | 2.70                       | 9.76                        | H                     |
|                            | 7517                 | -46.65          | -13              | -33.65                  | -80.07                  | -56.04                   | 2.42                       | 11.81                       | H                     |
|                            | 3759                 | -56.71          | -13              | -43.71                  | -77.3                   | -63.34                   | 1.69                       | 8.31                        | V                     |
|                            | 5638                 | -52.76          | -13              | -39.76                  | -79.65                  | -59.81                   | 2.70                       | 9.76                        | V                     |
|                            | 7517                 | -46.60          | -13              | -33.60                  | -80.02                  | -55.99                   | 2.42                       | 11.81                       | V                     |
| Highest                    | 3817                 | -56.89          | -13              | -43.89                  | -77.57                  | -63.57                   | 1.70                       | 8.38                        | H                     |
|                            | 5726                 | -49.14          | -13              | -36.14                  | -76.3                   | -56.18                   | 2.76                       | 9.79                        | H                     |
|                            | 7634                 | -45.81          | -13              | -32.81                  | -79.42                  | -55.3                    | 2.39                       | 11.88                       | H                     |
|                            | 3817                 | -57.05          | -13              | -44.05                  | -77.73                  | -63.73                   | 1.70                       | 8.38                        | V                     |
|                            | 5726                 | -52.45          | -13              | -39.45                  | -79.61                  | -59.49                   | 2.76                       | 9.79                        | V                     |
|                            | 7634                 | -46.14          | -13              | -33.14                  | -79.75                  | -55.63                   | 2.39                       | 11.88                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 3MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                   | 3700              | -56.78       | -13           | -43.78            | -77.3             | -63.35             | 1.67                 | 8.24                  | H                  |
|                          | 5550              | -53.10       | -13           | -40.10            | -79.75            | -60.17             | 2.65                 | 9.72                  | H                  |
|                          | 7400              | -46.73       | -13           | -33.73            | -79.93            | -55.87             | 2.46                 | 11.60                 | H                  |
|                          | 3700              | -57.48       | -13           | -44.48            | -78               | -64.05             | 1.67                 | 8.24                  | V                  |
|                          | 5550              | -53.31       | -13           | -40.31            | -79.96            | -60.38             | 2.65                 | 9.72                  | V                  |
|                          | 7400              | -46.50       | -13           | -33.50            | -79.7             | -55.64             | 2.46                 | 11.60                 | V                  |
| Middle                   | 3756              | -55.93       | -13           | -42.93            | -76.52            | -62.55             | 1.68                 | 8.31                  | H                  |
|                          | 5636              | -52.46       | -13           | -39.46            | -79.35            | -59.51             | 2.70                 | 9.75                  | H                  |
|                          | 7514              | -46.45       | -13           | -33.45            | -79.88            | -55.83             | 2.42                 | 11.81                 | H                  |
|                          | 3756              | -56.92       | -13           | -43.92            | -77.51            | -63.54             | 1.68                 | 8.31                  | V                  |
|                          | 5636              | -52.81       | -13           | -39.81            | -79.7             | -59.86             | 2.70                 | 9.75                  | V                  |
|                          | 7514              | -46.74       | -13           | -33.74            | -80.17            | -56.12             | 2.42                 | 11.81                 | V                  |
| Highest                  | 3814              | -56.64       | -13           | -43.64            | -77.32            | -63.31             | 1.70                 | 8.38                  | H                  |
|                          | 5723              | -51.58       | -13           | -38.58            | -78.74            | -58.62             | 2.75                 | 9.79                  | H                  |
|                          | 7628              | -46.24       | -13           | -33.24            | -79.85            | -55.73             | 2.39                 | 11.88                 | H                  |
|                          | 3814              | -56.86       | -13           | -43.86            | -77.54            | -63.53             | 1.70                 | 8.38                  | V                  |
|                          | 5723              | -52.51       | -13           | -39.51            | -79.67            | -59.55             | 2.75                 | 9.79                  | V                  |
|                          | 7628              | -46.12       | -13           | -33.12            | -79.73            | -55.61             | 2.39                 | 11.88                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 3700                 | -56.30          | -13              | -43.30                  | -76.82                  | -62.87                   | 1.67                       | 8.24                        | H                     |
|                          | 5550                 | -53.26          | -13              | -40.26                  | -79.91                  | -60.33                   | 2.65                       | 9.72                        | H                     |
|                          | 7400                 | -46.87          | -13              | -33.87                  | -80.17                  | -56.01                   | 2.46                       | 11.60                       | H                     |
|                          | 3700                 | -56.96          | -13              | -43.96                  | -77.48                  | -63.53                   | 1.67                       | 8.24                        | V                     |
|                          | 5550                 | -53.35          | -13              | -40.35                  | -80                     | -60.42                   | 2.65                       | 9.72                        | V                     |
|                          | 7400                 | -46.88          | -13              | -33.88                  | -80.08                  | -56.02                   | 2.46                       | 11.60                       | V                     |
| Middle                   | 3755                 | -57.29          | -13              | -44.29                  | -77.88                  | -63.91                   | 1.68                       | 8.31                        | H                     |
|                          | 5633                 | -52.84          | -13              | -39.84                  | -79.73                  | -59.89                   | 2.70                       | 9.75                        | H                     |
|                          | 7510                 | -46.68          | -13              | -33.68                  | -80.11                  | -56.06                   | 2.43                       | 11.81                       | H                     |
|                          | 3755                 | -56.54          | -13              | -43.54                  | -77.13                  | -63.16                   | 1.68                       | 8.31                        | V                     |
|                          | 5633                 | -52.99          | -13              | -39.99                  | -79.88                  | -60.04                   | 2.70                       | 9.75                        | V                     |
|                          | 7510                 | -46.76          | -13              | -33.76                  | -80.19                  | -56.14                   | 2.43                       | 11.81                       | V                     |
| Highest                  | 3812                 | -56.11          | -13              | -43.11                  | -76.77                  | -62.78                   | 1.70                       | 8.37                        | H                     |
|                          | 5716                 | -51.38          | -13              | -38.38                  | -78.48                  | -58.42                   | 2.75                       | 9.79                        | H                     |
|                          | 7620                 | -45.93          | -13              | -32.93                  | -79.5                   | -55.41                   | 2.39                       | 11.87                       | H                     |
|                          | 3812                 | -56.99          | -13              | -43.99                  | -77.65                  | -63.66                   | 1.70                       | 8.37                        | V                     |
|                          | 5716                 | -52.64          | -13              | -39.64                  | -79.74                  | -59.68                   | 2.75                       | 9.79                        | V                     |
|                          | 7620                 | -46.01          | -13              | -33.01                  | -79.58                  | -55.49                   | 2.39                       | 11.87                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3701                 | -56.34          | -13              | -43.34                  | -76.87                  | -62.91                   | 1.67                       | 8.24                        | H                     |
|                           | 5552                 | -53.19          | -13              | -40.19                  | -79.82                  | -60.26                   | 2.65                       | 9.72                        | H                     |
|                           | 7402                 | -47.13          | -13              | -34.13                  | -80.36                  | -56.27                   | 2.46                       | 11.60                       | H                     |
|                           | 3701                 | -57.46          | -13              | -44.46                  | -77.97                  | -64.03                   | 1.67                       | 8.24                        | V                     |
|                           | 5552                 | -53.44          | -13              | -40.44                  | -80.07                  | -60.51                   | 2.65                       | 9.72                        | V                     |
|                           | 7402                 | -47.00          | -13              | -34.00                  | -80.23                  | -56.14                   | 2.46                       | 11.60                       | V                     |
| Middle                    | 3751                 | -55.50          | -13              | -42.50                  | -76.08                  | -62.12                   | 1.68                       | 8.30                        | H                     |
|                           | 5627                 | -52.79          | -13              | -39.79                  | -79.62                  | -59.84                   | 2.70                       | 9.75                        | H                     |
|                           | 7502                 | -46.88          | -13              | -33.88                  | -80.27                  | -56.25                   | 2.43                       | 11.80                       | H                     |
|                           | 3751                 | -56.60          | -13              | -43.60                  | -77.18                  | -63.22                   | 1.68                       | 8.30                        | V                     |
|                           | 5627                 | -53.16          | -13              | -40.16                  | -79.99                  | -60.21                   | 2.70                       | 9.75                        | V                     |
|                           | 7502                 | -46.79          | -13              | -33.79                  | -80.18                  | -56.16                   | 2.43                       | 11.80                       | V                     |
| Highest                   | 3801                 | -54.99          | -13              | -41.99                  | -75.64                  | -61.65                   | 1.70                       | 8.36                        | H                     |
|                           | 5702                 | -52.34          | -13              | -39.34                  | -79.44                  | -59.38                   | 2.74                       | 9.78                        | H                     |
|                           | 7602                 | -46.58          | -13              | -33.58                  | -80.12                  | -56.04                   | 2.40                       | 11.86                       | H                     |
|                           | 3801                 | -57.17          | -13              | -44.17                  | -77.82                  | -63.83                   | 1.70                       | 8.36                        | V                     |
|                           | 5702                 | -52.72          | -13              | -39.72                  | -79.82                  | -59.76                   | 2.74                       | 9.78                        | V                     |
|                           | 7602                 | -46.09          | -13              | -33.09                  | -79.63                  | -55.55                   | 2.40                       | 11.86                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 15MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3701                 | -56.18          | -13              | -43.18                  | -76.69                  | -62.75                   | 1.67                       | 8.24                        | H                     |
|                           | 5552                 | -53.30          | -13              | -40.30                  | -79.93                  | -60.37                   | 2.65                       | 9.72                        | H                     |
|                           | 7402                 | -46.75          | -13              | -33.75                  | -79.98                  | -55.89                   | 2.46                       | 11.60                       | H                     |
|                           | 3701                 | -57.05          | -13              | -44.05                  | -77.56                  | -63.62                   | 1.67                       | 8.24                        | V                     |
|                           | 5552                 | -53.28          | -13              | -40.28                  | -79.91                  | -60.35                   | 2.65                       | 9.72                        | V                     |
|                           | 7402                 | -47.20          | -13              | -34.20                  | -80.43                  | -56.34                   | 2.46                       | 11.60                       | V                     |
| Middle                    | 3746                 | -55.35          | -13              | -42.35                  | -75.93                  | -61.96                   | 1.68                       | 8.30                        | H                     |
|                           | 5619                 | -52.74          | -13              | -39.74                  | -79.57                  | -59.79                   | 2.69                       | 9.75                        | H                     |
|                           | 7492                 | -46.79          | -13              | -33.79                  | -80.18                  | -56.14                   | 2.43                       | 11.78                       | H                     |
|                           | 3746                 | -56.66          | -13              | -43.66                  | -77.24                  | -63.27                   | 1.68                       | 8.30                        | V                     |
|                           | 5619                 | -53.14          | -13              | -40.14                  | -79.97                  | -60.19                   | 2.69                       | 9.75                        | V                     |
|                           | 7492                 | -46.82          | -13              | -33.82                  | -80.21                  | -56.17                   | 2.43                       | 11.78                       | V                     |
| Highest                   | 3791                 | -57.22          | -13              | -44.22                  | -77.85                  | -63.87                   | 1.70                       | 8.35                        | H                     |
|                           | 5687                 | -52.86          | -13              | -39.86                  | -79.9                   | -59.9                    | 2.73                       | 9.77                        | H                     |
|                           | 7582                 | -46.53          | -13              | -33.53                  | -80.04                  | -55.98                   | 2.40                       | 11.85                       | H                     |
|                           | 3791                 | -57.49          | -13              | -44.49                  | -78.12                  | -64.14                   | 1.70                       | 8.35                        | V                     |
|                           | 5687                 | -52.89          | -13              | -39.89                  | -79.93                  | -59.93                   | 2.73                       | 9.77                        | V                     |
|                           | 7582                 | -46.43          | -13              | -33.43                  | -79.94                  | -55.88                   | 2.40                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3702                 | -56.38          | -13              | -43.38                  | -76.89                  | -62.95                   | 1.67                       | 8.24                        | H                     |
|                           | 5553                 | -53.14          | -13              | -40.14                  | -79.77                  | -60.21                   | 2.66                       | 9.72                        | H                     |
|                           | 7404                 | -46.85          | -13              | -33.85                  | -80.08                  | -56                      | 2.46                       | 11.61                       | H                     |
|                           | 3702                 | -56.76          | -13              | -43.76                  | -77.27                  | -63.33                   | 1.67                       | 8.24                        | V                     |
|                           | 5553                 | -53.23          | -13              | -40.23                  | -79.86                  | -60.3                    | 2.66                       | 9.72                        | V                     |
|                           | 7404                 | -46.96          | -13              | -33.96                  | -80.19                  | -56.11                   | 2.46                       | 11.61                       | V                     |
| Middle                    | 3742                 | -55.15          | -13              | -42.15                  | -75.72                  | -61.76                   | 1.68                       | 8.29                        | H                     |
|                           | 5613                 | -52.68          | -13              | -39.68                  | -79.46                  | -59.74                   | 2.69                       | 9.75                        | H                     |
|                           | 7484                 | -46.84          | -13              | -33.84                  | -80.21                  | -56.17                   | 2.43                       | 11.77                       | H                     |
|                           | 3742                 | -56.21          | -13              | -43.21                  | -76.78                  | -62.82                   | 1.68                       | 8.29                        | V                     |
|                           | 5613                 | -53.15          | -13              | -40.15                  | -79.93                  | -60.21                   | 2.69                       | 9.75                        | V                     |
|                           | 7484                 | -46.39          | -13              | -33.39                  | -79.76                  | -55.72                   | 2.43                       | 11.77                       | V                     |
| Highest                   | 3782                 | -55.94          | -13              | -42.94                  | -76.58                  | -62.59                   | 1.69                       | 8.34                        | H                     |
|                           | 5673                 | -51.44          | -13              | -38.44                  | -78.44                  | -58.48                   | 2.72                       | 9.77                        | H                     |
|                           | 7564                 | -46.50          | -13              | -33.50                  | -80                     | -55.93                   | 2.41                       | 11.84                       | H                     |
|                           | 3782                 | -56.47          | -13              | -43.47                  | -77.11                  | -63.12                   | 1.69                       | 8.34                        | V                     |
|                           | 5673                 | -52.68          | -13              | -39.68                  | -79.68                  | -59.72                   | 2.72                       | 9.77                        | V                     |
|                           | 7564                 | -46.53          | -13              | -33.53                  | -80.03                  | -55.96                   | 2.41                       | 11.84                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## LTE Band 4

| LTE Band 4 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3420                 | -58.31          | -13              | -45.31                  | -78.31                  | -64.38                   | 1.58                       | 7.65                        | H                     |
|                            | 5130                 | -52.90          | -13              | -39.90                  | -78.44                  | -60.19                   | 2.41                       | 9.70                        | H                     |
|                            | 6840                 | -48.12          | -13              | -35.12                  | -80.09                  | -56.09                   | 2.64                       | 10.61                       | H                     |
|                            | 3420                 | -58.93          | -13              | -45.93                  | -78.93                  | -65                      | 1.58                       | 7.65                        | V                     |
|                            | 5130                 | -53.44          | -13              | -40.44                  | -78.98                  | -60.73                   | 2.41                       | 9.70                        | V                     |
|                            | 6840                 | -48.70          | -13              | -35.70                  | -80.67                  | -56.67                   | 2.64                       | 10.61                       | V                     |
| Middle                     | 3464                 | -58.62          | -13              | -45.62                  | -78.76                  | -64.87                   | 1.59                       | 7.84                        | H                     |
|                            | 5195                 | -53.94          | -13              | -40.94                  | -79.65                  | -61.19                   | 2.45                       | 9.70                        | H                     |
|                            | 6927                 | -47.91          | -13              | -34.91                  | -80.14                  | -56.01                   | 2.61                       | 10.71                       | H                     |
|                            | 3464                 | -58.68          | -13              | -45.68                  | -78.82                  | -64.93                   | 1.59                       | 7.84                        | V                     |
|                            | 5195                 | -54.00          | -13              | -41.00                  | -79.71                  | -61.25                   | 2.45                       | 9.70                        | V                     |
|                            | 6927                 | -47.81          | -13              | -34.81                  | -80.04                  | -55.91                   | 2.61                       | 10.71                       | V                     |
| Highest                    | 3507                 | -58.90          | -13              | -45.90                  | -79.12                  | -65.3                    | 1.61                       | 8.01                        | H                     |
|                            | 5261                 | -54.22          | -13              | -41.22                  | -80.09                  | -61.43                   | 2.49                       | 9.70                        | H                     |
|                            | 7014                 | -47.30          | -13              | -34.30                  | -79.77                  | -55.54                   | 2.59                       | 10.83                       | H                     |
|                            | 3507                 | -58.94          | -13              | -45.94                  | -79.16                  | -65.34                   | 1.61                       | 8.01                        | V                     |
|                            | 5261                 | -54.12          | -13              | -41.12                  | -79.99                  | -61.33                   | 2.49                       | 9.70                        | V                     |
|                            | 7014                 | -47.33          | -13              | -34.33                  | -79.8                   | -55.57                   | 2.59                       | 10.83                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 3MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 3420                 | -58.68          | -13              | -45.68                  | -78.68                  | -64.75                   | 1.58                       | 7.65                        | H                     |
|                          | 5130                 | -52.37          | -13              | -39.37                  | -77.91                  | -59.66                   | 2.41                       | 9.70                        | H                     |
|                          | 6840                 | -48.29          | -13              | -35.29                  | -80.26                  | -56.26                   | 2.64                       | 10.61                       | H                     |
|                          | 3420                 | -58.82          | -13              | -45.82                  | -78.82                  | -64.89                   | 1.58                       | 7.65                        | V                     |
|                          | 5130                 | -53.65          | -13              | -40.65                  | -79.19                  | -60.94                   | 2.41                       | 9.70                        | V                     |
|                          | 6840                 | -48.61          | -13              | -35.61                  | -80.58                  | -56.58                   | 2.64                       | 10.61                       | V                     |
| Middle                   | 3462                 | -58.62          | -13              | -45.62                  | -78.76                  | -64.86                   | 1.59                       | 7.83                        | H                     |
|                          | 5193                 | -52.60          | -13              | -39.60                  | -78.31                  | -59.85                   | 2.45                       | 9.70                        | H                     |
|                          | 6924                 | -47.61          | -13              | -34.61                  | -79.78                  | -55.7                    | 2.62                       | 10.71                       | H                     |
|                          | 3462                 | -58.64          | -13              | -45.64                  | -78.78                  | -64.88                   | 1.59                       | 7.83                        | V                     |
|                          | 5193                 | -53.78          | -13              | -40.78                  | -79.49                  | -61.03                   | 2.45                       | 9.70                        | V                     |
|                          | 6924                 | -48.04          | -13              | -35.04                  | -80.21                  | -56.13                   | 2.62                       | 10.71                       | V                     |
| Highest                  | 3504                 | -58.97          | -13              | -45.97                  | -79.19                  | -65.37                   | 1.61                       | 8.00                        | H                     |
|                          | 5254                 | -52.44          | -13              | -39.44                  | -78.27                  | -59.66                   | 2.48                       | 9.70                        | H                     |
|                          | 7008                 | -47.20          | -13              | -34.20                  | -79.63                  | -55.43                   | 2.59                       | 10.82                       | H                     |
|                          | 3504                 | -58.97          | -13              | -45.97                  | -79.19                  | -65.37                   | 1.61                       | 8.00                        | V                     |
|                          | 5256                 | -54.08          | -13              | -41.08                  | -79.91                  | -61.3                    | 2.48                       | 9.70                        | V                     |
|                          | 7008                 | -47.26          | -13              | -34.26                  | -79.69                  | -55.49                   | 2.59                       | 10.82                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                   | 3420              | -58.66       | -13           | -45.66            | -78.57            | -64.73             | 1.58                 | 7.65                  | H                  |
|                          | 5130              | -53.00       | -13           | -40.00            | -79.15            | -60.29             | 2.41                 | 9.70                  | H                  |
|                          | 6840              | -48.52       | -13           | -35.52            | -80.46            | -56.49             | 2.64                 | 10.61                 | H                  |
|                          | 3420              | -58.38       | -13           | -45.38            | -78.89            | -64.45             | 1.58                 | 7.65                  | V                  |
|                          | 5130              | -53.20       | -13           | -40.20            | -79.48            | -60.49             | 2.41                 | 9.70                  | V                  |
|                          | 6840              | -48.09       | -13           | -35.09            | -80.78            | -56.06             | 2.64                 | 10.61                 | V                  |
| Middle                   | 3460              | -58.00       | -13           | -45.00            | -78.63            | -64.23             | 1.59                 | 7.82                  | H                  |
|                          | 5190              | -53.34       | -13           | -40.34            | -78.89            | -60.59             | 2.45                 | 9.70                  | H                  |
|                          | 6920              | -48.32       | -13           | -35.32            | -80.39            | -56.41             | 2.62                 | 10.70                 | H                  |
|                          | 3460              | -59.02       | -13           | -46.02            | -79.24            | -65.25             | 1.59                 | 7.82                  | V                  |
|                          | 5190              | -53.12       | -13           | -40.12            | -79.64            | -60.37             | 2.45                 | 9.70                  | V                  |
|                          | 6920              | -48.20       | -13           | -35.20            | -80.43            | -56.29             | 2.62                 | 10.70                 | V                  |
| Highest                  | 3502              | -58.79       | -13           | -45.79            | -79.01            | -65.19             | 1.60                 | 8.00                  | H                  |
|                          | 5254              | -52.41       | -13           | -39.41            | -78.24            | -59.63             | 2.48                 | 9.70                  | H                  |
|                          | 7005              | -47.27       | -13           | -34.27            | -79.71            | -55.49             | 2.59                 | 10.81                 | H                  |
|                          | 3502              | -58.96       | -13           | -45.96            | -79.18            | -65.36             | 1.60                 | 8.00                  | V                  |
|                          | 5254              | -53.94       | -13           | -40.94            | -79.77            | -61.16             | 2.48                 | 9.70                  | V                  |
|                          | 7005              | -47.12       | -13           | -34.12            | -79.56            | -55.34             | 2.59                 | 10.81                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3423                 | -58.29          | -13              | -45.29                  | -78.61                  | -64.37                   | 1.58                       | 7.66                        | H                     |
|                           | 5135                 | -52.86          | -13              | -39.86                  | -78.21                  | -60.15                   | 2.41                       | 9.70                        | H                     |
|                           | 6846                 | -48.96          | -13              | -35.96                  | -80.39                  | -56.94                   | 2.64                       | 10.62                       | H                     |
|                           | 3423                 | -58.30          | -13              | -45.30                  | -78.71                  | -64.38                   | 1.58                       | 7.66                        | V                     |
|                           | 5135                 | -53.65          | -13              | -40.65                  | -78.91                  | -60.94                   | 2.41                       | 9.70                        | V                     |
|                           | 6846                 | -48.46          | -13              | -35.46                  | -80.45                  | -56.44                   | 2.64                       | 10.62                       | V                     |
| Middle                    | 3456                 | -58.07          | -13              | -45.07                  | -78.84                  | -64.29                   | 1.59                       | 7.81                        | H                     |
|                           | 5184                 | -50.77          | -13              | -37.77                  | -77.57                  | -58.03                   | 2.44                       | 9.70                        | H                     |
|                           | 6912                 | -48.59          | -13              | -35.59                  | -80.29                  | -56.67                   | 2.62                       | 10.69                       | H                     |
|                           | 3456                 | -58.36          | -13              | -45.36                  | -78.39                  | -64.58                   | 1.59                       | 7.81                        | V                     |
|                           | 5184                 | -53.07          | -13              | -40.07                  | -79.38                  | -60.33                   | 2.44                       | 9.70                        | V                     |
|                           | 6912                 | -48.16          | -13              | -35.16                  | -80.24                  | -56.24                   | 2.62                       | 10.69                       | V                     |
| Highest                   | 3490                 | -58.18          | -13              | -45.18                  | -79.03                  | -64.53                   | 1.60                       | 7.96                        | H                     |
|                           | 5235                 | -53.69          | -13              | -40.69                  | -79.67                  | -60.92                   | 2.47                       | 9.70                        | H                     |
|                           | 6980                 | -47.53          | -13              | -34.53                  | -79.81                  | -55.71                   | 2.60                       | 10.78                       | H                     |
|                           | 3490                 | -58.03          | -13              | -45.03                  | -79.03                  | -64.38                   | 1.60                       | 7.96                        | V                     |
|                           | 5235                 | -54.78          | -13              | -41.78                  | -79.98                  | -62.01                   | 2.47                       | 9.70                        | V                     |
|                           | 6980                 | -47.05          | -13              | -34.05                  | -79.69                  | -55.23                   | 2.60                       | 10.78                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 15MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3420              | -58.24       | -13           | -45.24            | -78.7             | -64.31             | 1.58                 | 7.65                  | H                  |
|                           | 5130              | -53.77       | -13           | -40.77            | -78.93            | -61.06             | 2.41                 | 9.70                  | H                  |
|                           | 6840              | -48.75       | -13           | -35.75            | -80.3             | -56.72             | 2.64                 | 10.61                 | H                  |
|                           | 3420              | -58.22       | -13           | -45.22            | -78.73            | -64.29             | 1.58                 | 7.65                  | V                  |
|                           | 5130              | -53.76       | -13           | -40.76            | -78.92            | -61.05             | 2.41                 | 9.70                  | V                  |
|                           | 6840              | -48.64       | -13           | -35.64            | -80.34            | -56.61             | 2.64                 | 10.61                 | V                  |
| Middle                    | 3450              | -58.15       | -13           | -45.15            | -78.82            | -64.34             | 1.59                 | 7.78                  | H                  |
|                           | 5175              | -53.31       | -13           | -40.31            | -78.83            | -60.57             | 2.44                 | 9.70                  | H                  |
|                           | 6900              | -47.06       | -13           | -34.06            | -79.93            | -55.12             | 2.62                 | 10.68                 | H                  |
|                           | 3450              | -58.34       | -13           | -45.34            | -78.86            | -64.53             | 1.59                 | 7.78                  | V                  |
|                           | 5175              | -53.85       | -13           | -40.85            | -79.39            | -61.11             | 2.44                 | 9.70                  | V                  |
|                           | 6900              | -47.88       | -13           | -34.88            | -80.08            | -55.94             | 2.62                 | 10.68                 | V                  |
| Highest                   | 3480              | -58.98       | -13           | -45.98            | -78.96            | -65.29             | 1.60                 | 7.91                  | H                  |
|                           | 5220              | -53.78       | -13           | -40.78            | -79.66            | -61.02             | 2.46                 | 9.70                  | H                  |
|                           | 6960              | -47.61       | -13           | -34.61            | -79.78            | -55.76             | 2.60                 | 10.75                 | H                  |
|                           | 3480              | -58.98       | -13           | -45.98            | -78.88            | -65.29             | 1.60                 | 7.91                  | V                  |
|                           | 5220              | -53.82       | -13           | -40.82            | -79.74            | -61.06             | 2.46                 | 9.70                  | V                  |
|                           | 6960              | -47.60       | -13           | -34.60            | -80.01            | -55.75             | 2.60                 | 10.75                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3420                 | -58.18          | -13              | -45.18                  | -78.96                  | -64.25                   | 1.58                       | 7.65                        | H                     |
|                           | 5130                 | -53.18          | -13              | -40.18                  | -79.19                  | -60.47                   | 2.41                       | 9.70                        | H                     |
|                           | 6840                 | -48.84          | -13              | -35.84                  | -80.54                  | -56.81                   | 2.64                       | 10.61                       | H                     |
|                           | 3420                 | -58.31          | -13              | -45.31                  | -78.74                  | -64.38                   | 1.58                       | 7.65                        | V                     |
|                           | 5130                 | -53.93          | -13              | -40.93                  | -79.12                  | -61.22                   | 2.41                       | 9.70                        | V                     |
|                           | 6840                 | -48.90          | -13              | -35.90                  | -80.37                  | -56.87                   | 2.64                       | 10.61                       | V                     |
| Middle                    | 3445                 | -58.12          | -13              | -45.12                  | -78.63                  | -64.29                   | 1.59                       | 7.76                        | H                     |
|                           | 5168                 | -52.84          | -13              | -39.84                  | -78.34                  | -60.11                   | 2.43                       | 9.70                        | H                     |
|                           | 6890                 | -47.94          | -13              | -34.94                  | -80.01                  | -55.98                   | 2.63                       | 10.67                       | H                     |
|                           | 3445                 | -58.24          | -13              | -45.24                  | -78.73                  | -64.41                   | 1.59                       | 7.76                        | V                     |
|                           | 5168                 | -53.58          | -13              | -40.58                  | -79.33                  | -60.85                   | 2.43                       | 9.70                        | V                     |
|                           | 6890                 | -48.12          | -13              | -35.12                  | -80.19                  | -56.16                   | 2.63                       | 10.67                       | V                     |
| Highest                   | 3470                 | -58.56          | -13              | -45.56                  | -78.87                  | -64.83                   | 1.59                       | 7.87                        | H                     |
|                           | 5205                 | -54.47          | -13              | -41.47                  | -79.93                  | -61.71                   | 2.46                       | 9.70                        | H                     |
|                           | 6940                 | -47.27          | -13              | -34.27                  | -80.12                  | -55.39                   | 2.61                       | 10.73                       | H                     |
|                           | 3470                 | -58.01          | -13              | -45.01                  | -79.12                  | -64.28                   | 1.59                       | 7.87                        | V                     |
|                           | 5205                 | -54.93          | -13              | -41.93                  | -79.88                  | -62.17                   | 2.46                       | 9.70                        | V                     |
|                           | 6940                 | -47.93          | -13              | -34.93                  | -80.04                  | -56.05                   | 2.61                       | 10.73                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## LTE Band 5

| LTE Band 5 / 1.4MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1648                 | -60.33         | -13              | -47.33                  | -73.74                  | -62.09                   | 0.98                       | 4.89                        | H                     |
|                            | 2472                 | -60.66         | -13              | -47.66                  | -77.22                  | -62.54                   | 1.28                       | 5.32                        | H                     |
|                            | 3296                 | -59.57         | -13              | -46.57                  | -78.83                  | -62.98                   | 1.54                       | 7.10                        | H                     |
|                            | 1648                 | -59.30         | -13              | -46.30                  | -72.4                   | -61.06                   | 0.98                       | 4.89                        | V                     |
|                            | 2472                 | -61.66         | -13              | -48.66                  | -77.82                  | -63.54                   | 1.28                       | 5.32                        | V                     |
|                            | 3296                 | -58.50         | -13              | -45.50                  | -78.65                  | -61.91                   | 1.54                       | 7.10                        | V                     |
| Middle                     | 1672                 | -55.58         | -13              | -42.58                  | -68.26                  | -57.26                   | 0.99                       | 4.82                        | H                     |
|                            | 2512                 | -60.07         | -13              | -47.07                  | -76.7                   | -62.04                   | 1.29                       | 5.41                        | H                     |
|                            | 3352                 | -58.79         | -13              | -45.79                  | -78.2                   | -62.43                   | 1.56                       | 7.35                        | H                     |
|                            | 1672                 | -55.61         | -13              | -42.61                  | -68.61                  | -57.29                   | 0.99                       | 4.82                        | V                     |
|                            | 2512                 | -61.04         | -13              | -48.04                  | -77.76                  | -63.01                   | 1.29                       | 5.41                        | V                     |
|                            | 3352                 | -58.80         | -13              | -45.80                  | -78.5                   | -62.44                   | 1.56                       | 7.35                        | V                     |
| Highest                    | 1696                 | -55.46         | -13              | -42.46                  | -69.21                  | -57.06                   | 1.00                       | 4.75                        | H                     |
|                            | 2544                 | -60.55         | -13              | -47.55                  | -77.59                  | -62.53                   | 1.30                       | 5.44                        | H                     |
|                            | 3392                 | -58.35         | -13              | -45.35                  | -78.74                  | -62.15                   | 1.57                       | 7.52                        | H                     |
|                            | 1696                 | -57.61         | -13              | -44.61                  | -70.78                  | -59.21                   | 1.00                       | 4.75                        | V                     |
|                            | 2544                 | -61.08         | -13              | -48.08                  | -77.72                  | -63.06                   | 1.30                       | 5.44                        | V                     |
|                            | 3392                 | -58.65         | -13              | -45.65                  | -78.72                  | -62.45                   | 1.57                       | 7.52                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 3MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 1651                 | -57.65         | -13              | -44.65                  | -70.87                  | -59.4                    | 0.98                       | 4.88                        | H                     |
|                          | 2477                 | -59.33         | -13              | -46.33                  | -75.69                  | -61.23                   | 1.28                       | 5.33                        | H                     |
|                          | 3302                 | -59.21         | -13              | -46.21                  | -78.9                   | -62.65                   | 1.54                       | 7.13                        | H                     |
|                          | 1651                 | -58.61         | -13              | -45.61                  | -71.84                  | -60.36                   | 0.98                       | 4.88                        | V                     |
|                          | 2477                 | -59.45         | -13              | -46.45                  | -75.8                   | -61.35                   | 1.28                       | 5.33                        | V                     |
|                          | 3302                 | -58.95         | -13              | -45.95                  | -78.64                  | -62.39                   | 1.54                       | 7.13                        | V                     |
| Middle                   | 1672                 | -57.56         | -13              | -44.56                  | -70.25                  | -59.24                   | 0.99                       | 4.82                        | H                     |
|                          | 2504                 | -60.25         | -13              | -47.25                  | -76.7                   | -62.21                   | 1.29                       | 5.40                        | H                     |
|                          | 3344                 | -59.67         | -13              | -46.67                  | -78.81                  | -63.28                   | 1.56                       | 7.31                        | H                     |
|                          | 1672                 | -56.53         | -13              | -43.53                  | -70.2                   | -58.21                   | 0.99                       | 4.82                        | V                     |
|                          | 2504                 | -61.10         | -13              | -48.10                  | -77.79                  | -63.06                   | 1.29                       | 5.40                        | V                     |
|                          | 3344                 | -58.88         | -13              | -45.88                  | -78.73                  | -62.49                   | 1.56                       | 7.31                        | V                     |
| Highest                  | 1696                 | -55.66         | -13              | -42.66                  | -68.56                  | -57.26                   | 1.00                       | 4.75                        | H                     |
|                          | 2536                 | -59.55         | -13              | -46.55                  | -76.55                  | -61.53                   | 1.30                       | 5.43                        | H                     |
|                          | 3392                 | -58.29         | -13              | -45.29                  | -78.77                  | -62.09                   | 1.57                       | 7.52                        | H                     |
|                          | 1696                 | -57.61         | -13              | -44.61                  | -70.8                   | -59.21                   | 1.00                       | 4.75                        | V                     |
|                          | 2536                 | -61.07         | -13              | -48.07                  | -77.68                  | -63.05                   | 1.30                       | 5.43                        | V                     |
|                          | 3392                 | -58.91         | -13              | -45.91                  | -78.77                  | -62.71                   | 1.57                       | 7.52                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                   | 1648              | -60.20      | -13           | -47.20            | -74.09            | -61.96             | 0.98                 | 4.89                  | H                  |
|                          | 2472              | -60.23      | -13           | -47.23            | -77.19            | -62.11             | 1.28                 | 5.32                  | H                  |
|                          | 3296              | -59.27      | -13           | -46.27            | -78.96            | -62.68             | 1.54                 | 7.10                  | H                  |
|                          | 1648              | -59.33      | -13           | -46.33            | -72.51            | -61.09             | 0.98                 | 4.89                  | V                  |
|                          | 2472              | -61.16      | -13           | -48.16            | -77.52            | -63.04             | 1.28                 | 5.32                  | V                  |
|                          | 3296              | -59.16      | -13           | -46.16            | -78.85            | -62.57             | 1.54                 | 7.10                  | V                  |
| Middle                   | 1672              | -55.58      | -13           | -42.58            | -69.01            | -57.26             | 0.99                 | 4.82                  | H                  |
|                          | 2504              | -59.13      | -13           | -46.13            | -75.58            | -61.09             | 1.29                 | 5.40                  | H                  |
|                          | 3344              | -58.96      | -13           | -45.96            | -78.8             | -62.57             | 1.56                 | 7.31                  | H                  |
|                          | 1672              | -56.88      | -13           | -43.88            | -70.19            | -58.56             | 0.99                 | 4.82                  | V                  |
|                          | 2504              | -60.98      | -13           | -47.98            | -77.15            | -62.94             | 1.29                 | 5.40                  | V                  |
|                          | 3344              | -59.83      | -13           | -46.83            | -79.01            | -63.44             | 1.56                 | 7.31                  | V                  |
| Highest                  | 1688              | -55.68      | -13           | -42.68            | -68.96            | -57.31             | 1.00                 | 4.77                  | H                  |
|                          | 2532              | -60.15      | -13           | -47.15            | -76.76            | -62.12             | 1.30                 | 5.43                  | H                  |
|                          | 3376              | -59.07      | -13           | -46.07            | -78.99            | -62.81             | 1.57                 | 7.45                  | H                  |
|                          | 1688              | -55.88      | -13           | -42.88            | -69.16            | -57.51             | 1.00                 | 4.77                  | V                  |
|                          | 2532              | -61.01      | -13           | -48.01            | -77.62            | -62.98             | 1.30                 | 5.43                  | V                  |
|                          | 3376              | -58.94      | -13           | -45.94            | -78.86            | -62.68             | 1.57                 | 7.45                  | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1648                 | -60.35         | -13              | -47.35                  | -73.3                   | -62.11                   | 0.98                       | 4.89                        | H                     |
|                           | 2472                 | -60.06         | -13              | -47.06                  | -76.79                  | -61.94                   | 1.28                       | 5.32                        | H                     |
|                           | 3296                 | -59.64         | -13              | -46.64                  | -78.78                  | -63.05                   | 1.54                       | 7.10                        | H                     |
|                           | 1648                 | -58.84         | -13              | -45.84                  | -71.34                  | -60.6                    | 0.98                       | 4.89                        | V                     |
|                           | 2472                 | -61.68         | -13              | -48.68                  | -77.85                  | -63.56                   | 1.28                       | 5.32                        | V                     |
|                           | 3296                 | -59.08         | -13              | -46.08                  | -78.84                  | -62.49                   | 1.54                       | 7.10                        | V                     |
| Middle                    | 1664                 | -55.51         | -13              | -42.51                  | -68.74                  | -57.22                   | 0.98                       | 4.84                        | H                     |
|                           | 2496                 | -58.59         | -13              | -45.59                  | -75.04                  | -60.54                   | 1.29                       | 5.39                        | H                     |
|                           | 3326                 | -59.06         | -13              | -46.06                  | -78.84                  | -62.59                   | 1.55                       | 7.23                        | H                     |
|                           | 1664                 | -55.33         | -13              | -42.33                  | -68.56                  | -57.04                   | 0.98                       | 4.84                        | V                     |
|                           | 2496                 | -60.57         | -13              | -47.57                  | -77.02                  | -62.52                   | 1.29                       | 5.39                        | V                     |
|                           | 3326                 | -58.78         | -13              | -45.78                  | -78.56                  | -62.31                   | 1.55                       | 7.23                        | V                     |
| Highest                   | 1680                 | -56.51         | -13              | -43.51                  | -70.2                   | -58.16                   | 0.99                       | 4.80                        | H                     |
|                           | 2520                 | -61.58         | -13              | -48.58                  | -77.99                  | -63.55                   | 1.30                       | 5.42                        | H                     |
|                           | 3360                 | -58.41         | -13              | -45.41                  | -78.7                   | -62.08                   | 1.56                       | 7.38                        | H                     |
|                           | 1680                 | -56.59         | -13              | -43.59                  | -69.69                  | -58.24                   | 0.99                       | 4.80                        | V                     |
|                           | 2520                 | -61.42         | -13              | -48.42                  | -77.77                  | -63.39                   | 1.30                       | 5.42                        | V                     |
|                           | 3360                 | -58.44         | -13              | -45.44                  | -78.83                  | -62.11                   | 1.56                       | 7.38                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## **LTE Band 7**

| LTE Band 7 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 5000                 | -52.61          | -25              | -27.61                  | -77.81                  | -59.97                   | 2.34                       | 9.70                        | H                     |
|                          | 7500                 | -46.65          | -25              | -21.65                  | -80.05                  | -56.02                   | 2.43                       | 11.80                       | H                     |
|                          | 10000                | -41.62          | -25              | -16.62                  | -81.37                  | -51.12                   | 2.70                       | 12.20                       | H                     |
|                          | 5000                 | -53.99          | -25              | -28.99                  | -79.19                  | -61.35                   | 2.34                       | 9.70                        | V                     |
|                          | 7500                 | -46.80          | -25              | -21.80                  | -80.2                   | -56.17                   | 2.43                       | 11.80                       | V                     |
|                          | 10000                | -41.46          | -25              | -16.46                  | -81.21                  | -50.96                   | 2.70                       | 12.20                       | V                     |
| Middle                   | 5065                 | -53.24          | -25              | -28.24                  | -78.61                  | -60.57                   | 2.37                       | 9.70                        | H                     |
|                          | 7598                 | -46.10          | -25              | -21.10                  | -79.65                  | -55.56                   | 2.40                       | 11.86                       | H                     |
|                          | 10130                | -40.47          | -25              | -15.47                  | -80.65                  | -50.03                   | 2.70                       | 12.25                       | H                     |
|                          | 5065                 | -53.86          | -25              | -28.86                  | 79.23                   | -61.19                   | 2.37                       | 9.70                        | V                     |
|                          | 7598                 | -46.42          | -25              | -21.42                  | -79.97                  | -55.88                   | 2.40                       | 11.86                       | V                     |
|                          | 10130                | -40.59          | -25              | -15.59                  | -80.77                  | -50.15                   | 2.70                       | 12.25                       | V                     |
| Highest                  | 5130                 | -53.12          | -25              | -28.12                  | -78.67                  | -60.41                   | 2.41                       | 9.70                        | H                     |
|                          | 7695                 | -45.33          | -25              | -20.33                  | -79.03                  | -54.88                   | 2.37                       | 11.92                       | H                     |
|                          | 10260                | -39.33          | -25              | -14.33                  | -79.95                  | -48.94                   | 2.69                       | 12.30                       | H                     |
|                          | 5130                 | -53.42          | -25              | -28.42                  | -78.97                  | -60.71                   | 2.41                       | 9.70                        | V                     |
|                          | 7695                 | -45.37          | -25              | -20.37                  | -79.07                  | -54.92                   | 2.37                       | 11.92                       | V                     |
|                          | 10260                | -39.96          | -25              | -14.96                  | -80.58                  | -49.57                   | 2.69                       | 12.30                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 5000                 | -53.00          | -25              | -28.00                  | -78.2                   | -60.36                   | 2.34                       | 9.70                        | H                     |
|                           | 7500                 | -46.57          | -25              | -21.57                  | -79.97                  | -55.94                   | 2.43                       | 11.80                       | H                     |
|                           | 10000                | -41.59          | -25              | -16.59                  | -81.34                  | -51.09                   | 2.70                       | 12.20                       | H                     |
|                           | 5000                 | -53.95          | -25              | -28.95                  | -79.15                  | -61.31                   | 2.34                       | 9.70                        | V                     |
|                           | 7500                 | -46.86          | -25              | -21.86                  | -80.25                  | -56.23                   | 2.43                       | 11.80                       | V                     |
|                           | 10000                | -41.50          | -25              | -16.50                  | -81.25                  | -51                      | 2.70                       | 12.20                       | V                     |
| Middle                    | 5060                 | -52.55          | -25              | -27.55                  | -77.92                  | -59.88                   | 2.37                       | 9.70                        | H                     |
|                           | 7590                 | -46.18          | -25              | -21.18                  | -79.73                  | -55.63                   | 2.40                       | 11.85                       | H                     |
|                           | 10120                | -40.64          | -25              | -15.64                  | -80.76                  | -50.19                   | 2.70                       | 12.25                       | H                     |
|                           | 5060                 | -53.70          | -25              | -28.70                  | -79.07                  | -61.03                   | 2.37                       | 9.70                        | V                     |
|                           | 7590                 | -46.41          | -25              | -21.41                  | -79.96                  | -55.86                   | 2.40                       | 11.85                       | V                     |
|                           | 10120                | -40.49          | -25              | -15.49                  | -80.61                  | -50.04                   | 2.70                       | 12.25                       | V                     |
| Highest                   | 5120                 | -52.25          | -25              | -27.25                  | -77.75                  | -59.54                   | 2.41                       | 9.70                        | H                     |
|                           | 7680                 | -45.12          | -25              | -20.12                  | -78.8                   | -54.66                   | 2.37                       | 11.91                       | H                     |
|                           | 10240                | -40.04          | -25              | -15.04                  | -80.61                  | -49.64                   | 2.69                       | 12.30                       | H                     |
|                           | 5120                 | -53.73          | -25              | -28.73                  | -79.23                  | -61.02                   | 2.41                       | 9.70                        | V                     |
|                           | 7680                 | -46.00          | -25              | -21.00                  | -79.68                  | -55.54                   | 2.37                       | 11.91                       | V                     |
|                           | 10240                | -40.07          | -25              | -15.07                  | -80.64                  | -49.67                   | 2.69                       | 12.30                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 15MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 5000              | -53.09       | -25           | -28.09            | -78.29            | -60.45             | 2.34                 | 9.70                  | H                  |
|                           | 7500              | -46.72       | -25           | -21.72            | -80.12            | -56.09             | 2.43                 | 11.80                 | H                  |
|                           | 10000             | -41.60       | -25           | -16.60            | -81.35            | -51.1              | 2.70                 | 12.20                 | H                  |
|                           | 5000              | -53.92       | -25           | -28.92            | -79.12            | -61.28             | 2.34                 | 9.70                  | V                  |
|                           | 7500              | -46.84       | -25           | -21.84            | -80.24            | -56.21             | 2.43                 | 11.80                 | V                  |
|                           | 10000             | -41.58       | -25           | -16.58            | -81.33            | -51.08             | 2.70                 | 12.20                 | V                  |
| Middle                    | 5055              | -52.65       | -25           | -27.65            | -78.02            | -59.98             | 2.37                 | 9.70                  | H                  |
|                           | 7582.5            | -45.79       | -25           | -20.79            | -79.31            | -55.24             | 2.40                 | 11.85                 | H                  |
|                           | 10110             | -40.72       | -25           | -15.72            | -80.85            | -50.27             | 2.70                 | 12.24                 | H                  |
|                           | 5055              | -53.48       | -25           | -28.48            | -78.85            | -60.81             | 2.37                 | 9.70                  | V                  |
|                           | 7582.5            | -46.19       | -25           | -21.19            | -79.71            | -55.64             | 2.40                 | 11.85                 | V                  |
|                           | 10110             | -40.70       | -25           | -15.70            | -80.83            | -50.25             | 2.70                 | 12.24                 | V                  |
| Highest                   | 5110              | -52.51       | -25           | -27.51            | -78.01            | -59.81             | 2.40                 | 9.70                  | H                  |
|                           | 7665              | -45.14       | -25           | -20.14            | -78.8             | -54.66             | 2.38                 | 11.90                 | H                  |
|                           | 10220             | -39.96       | -25           | -14.96            | -80.4             | -49.55             | 2.69                 | 12.29                 | H                  |
|                           | 5110              | -53.92       | -25           | -28.92            | -79.42            | -61.22             | 2.40                 | 9.70                  | V                  |
|                           | 7665              | -46.00       | -25           | -21.00            | -79.66            | -55.52             | 2.38                 | 11.90                 | V                  |
|                           | 10220             | -40.39       | -25           | -15.39            | -80.83            | -49.98             | 2.69                 | 12.29                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 5002                 | -53.09          | -25              | -28.09                  | -78.28                  | -60.45                   | 2.34                       | 9.70                        | H                     |
|                           | 7503                 | -46.79          | -25              | -21.79                  | -80.21                  | -56.16                   | 2.43                       | 11.80                       | H                     |
|                           | 10004                | -41.24          | -25              | -16.24                  | -81.04                  | -50.74                   | 2.70                       | 12.20                       | H                     |
|                           | 5002                 | -54.06          | -25              | -29.06                  | -79.25                  | -61.42                   | 2.34                       | 9.70                        | V                     |
|                           | 7503                 | -46.80          | -25              | -21.80                  | -80.22                  | -56.17                   | 2.43                       | 11.80                       | V                     |
|                           | 10004                | -41.40          | -25              | -16.40                  | -81.2                   | -50.9                    | 2.70                       | 12.20                       | V                     |
| Middle                    | 5052                 | -53.15          | -25              | -28.15                  | -78.46                  | -60.48                   | 2.37                       | 9.70                        | H                     |
|                           | 7578                 | -46.27          | -25              | -21.27                  | -79.78                  | -55.71                   | 2.40                       | 11.85                       | H                     |
|                           | 10104                | -40.45          | -25              | -15.45                  | -80.57                  | -50                      | 2.70                       | 12.24                       | H                     |
|                           | 5052                 | -53.96          | -25              | -28.96                  | -79.27                  | -61.29                   | 2.37                       | 9.70                        | V                     |
|                           | 7578                 | -46.55          | -25              | -21.55                  | -79.96                  | -55.99                   | 2.40                       | 11.85                       | V                     |
|                           | 10104                | -40.49          | -25              | -15.49                  | -80.61                  | -50.04                   | 2.70                       | 12.24                       | V                     |
| Highest                   | 5102                 | -53.29          | -25              | -28.29                  | -78.74                  | -60.59                   | 2.40                       | 9.70                        | H                     |
|                           | 7653                 | -45.98          | -25              | -20.98                  | -79.6                   | -55.49                   | 2.38                       | 11.89                       | H                     |
|                           | 10204                | -39.49          | -25              | -14.49                  | -79.87                  | -49.08                   | 2.70                       | 12.28                       | H                     |
|                           | 5102                 | -54.04          | -25              | -29.04                  | -79.49                  | -61.34                   | 2.40                       | 9.70                        | V                     |
|                           | 7653                 | -46.16          | -25              | -21.16                  | -79.78                  | -55.673                  | 2.38                       | 11.89                       | V                     |
|                           | 10204                | -40.09          | -25              | -15.09                  | -80.47                  | -49.68                   | 2.70                       | 12.28                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 12**

| LTE Band 12 / 1.4MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                      | 1400                 | -51.51         | -13.00           | -38.51                  | -63.46                  | -53.17                   | 0.87                       | 4.68                        | H                     |
|                             | 2096                 | -62.79         | -13.00           | -49.79                  | -77.26                  | -63.66                   | 1.16                       | 4.19                        | H                     |
|                             | 2796                 | -59.64         | -13.00           | -46.64                  | -77.57                  | -61.74                   | 1.38                       | 5.64                        | H                     |
|                             | 1400                 | -47.96         | -13.00           | -34.96                  | -59.91                  | -49.62                   | 0.87                       | 4.68                        | V                     |
|                             | 2096                 | -61.58         | -13.00           | -48.58                  | -76.05                  | -62.45                   | 1.16                       | 4.19                        | V                     |
|                             | 2796                 | -59.81         | -13.00           | -46.81                  | -77.74                  | -61.91                   | 1.38                       | 5.64                        | V                     |
| Middle                      | 1416                 | -56.50         | -13.00           | -43.50                  | -68.45                  | -58.25                   | 0.87                       | 4.78                        | H                     |
|                             | 2120                 | -61.47         | -13.00           | -48.47                  | -76.10                  | -62.41                   | 1.17                       | 4.26                        | H                     |
|                             | 2796                 | -59.88         | -13.00           | -46.88                  | -77.81                  | -61.98                   | 1.38                       | 5.64                        | H                     |
|                             | 1416                 | -53.50         | -13.00           | -40.50                  | -65.55                  | -55.25                   | 0.87                       | 4.78                        | V                     |
|                             | 2120                 | -57.57         | -13.00           | -44.57                  | -72.26                  | -58.51                   | 1.17                       | 4.26                        | V                     |
|                             | 2796                 | -59.91         | -13.00           | -46.91                  | -77.84                  | -62.01                   | 1.38                       | 5.64                        | V                     |
| Highest                     | 1432                 | -51.62         | -13.00           | -38.62                  | -63.77                  | -53.47                   | 0.88                       | 4.88                        | H                     |
|                             | 2144                 | -62.71         | -13.00           | -49.71                  | -77.43                  | -63.71                   | 1.18                       | 4.33                        | H                     |
|                             | 2858                 | -59.62         | -13.00           | -46.62                  | -77.80                  | -61.75                   | 1.40                       | 5.69                        | H                     |
|                             | 1432                 | -48.54         | -13.00           | -35.54                  | -60.69                  | -50.39                   | 0.88                       | 4.88                        | V                     |
|                             | 2144                 | -61.24         | -13.00           | -48.24                  | -75.96                  | -62.24                   | 1.18                       | 4.33                        | V                     |
|                             | 2858                 | -59.58         | -13.00           | -46.58                  | -77.76                  | -61.71                   | 1.40                       | 5.69                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 12 / 3MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1400                 | -51.14         | -13.00           | -38.14                  | -63.09                  | -52.80                   | 0.87                       | 4.68                        | H                     |
|                           | 2096                 | -62.90         | -13.00           | -49.90                  | -77.37                  | -63.77                   | 1.16                       | 4.19                        | H                     |
|                           | 2796                 | -59.93         | -13.00           | -46.93                  | -77.86                  | -62.03                   | 1.38                       | 5.64                        | H                     |
|                           | 1400                 | -47.70         | -13.00           | -34.70                  | -59.65                  | -49.36                   | 0.87                       | 4.68                        | V                     |
|                           | 2096                 | -62.17         | -13.00           | -49.17                  | -76.64                  | -63.04                   | 1.16                       | 4.19                        | V                     |
|                           | 2796                 | -59.74         | -13.00           | -46.74                  | -77.67                  | -61.84                   | 1.38                       | 5.64                        | V                     |
| Middle                    | 1416                 | -57.02         | -13.00           | -44.02                  | -68.97                  | -58.77                   | 0.87                       | 4.78                        | H                     |
|                           | 2120                 | -60.50         | -13.00           | -47.50                  | -75.13                  | -61.44                   | 1.17                       | 4.26                        | H                     |
|                           | 2824                 | -59.61         | -13.00           | -46.61                  | -77.62                  | -61.73                   | 1.39                       | 5.66                        | H                     |
|                           | 1416                 | -51.95         | -13.00           | -38.95                  | -63.90                  | -53.70                   | 0.87                       | 4.78                        | V                     |
|                           | 2120                 | -55.92         | -13.00           | -42.92                  | -70.55                  | -56.86                   | 1.17                       | 4.26                        | V                     |
|                           | 2824                 | -59.57         | -13.00           | -46.57                  | -77.58                  | -61.69                   | 1.39                       | 5.66                        | V                     |
| Highest                   | 1424                 | -54.02         | -13.00           | -41.02                  | -66.17                  | -55.82                   | 0.88                       | 4.83                        | H                     |
|                           | 2144                 | -61.99         | -13.00           | -48.99                  | -76.71                  | -62.99                   | 1.18                       | 4.33                        | H                     |
|                           | 2852                 | -59.74         | -13.00           | -46.74                  | -77.92                  | -61.87                   | 1.40                       | 5.68                        | H                     |
|                           | 1424                 | -49.51         | -13.00           | -36.51                  | -61.66                  | -51.31                   | 0.88                       | 4.83                        | V                     |
|                           | 2144                 | -59.30         | -13.00           | -46.30                  | -74.02                  | -60.30                   | 1.18                       | 4.33                        | V                     |
|                           | 2852                 | -59.58         | -13.00           | -46.58                  | -77.76                  | -61.71                   | 1.40                       | 5.68                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 12 / 5MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1400                 | -50.09         | -13.00           | -37.09                  | -62.04                  | -51.75                   | 0.87                       | 4.68                        | H                     |
|                           | 2096                 | -62.37         | -13.00           | -49.37                  | -76.84                  | -63.24                   | 1.16                       | 4.19                        | H                     |
|                           | 2800                 | -59.97         | -13.00           | -46.97                  | -77.90                  | -62.08                   | 1.38                       | 5.64                        | H                     |
|                           | 1400                 | -48.03         | -13.00           | -35.03                  | -59.98                  | -49.69                   | 0.87                       | 4.68                        | V                     |
|                           | 2096                 | -61.60         | -13.00           | -48.60                  | -76.07                  | -62.47                   | 1.16                       | 4.19                        | V                     |
|                           | 2800                 | -59.26         | -13.00           | -46.26                  | -77.19                  | -61.37                   | 1.38                       | 5.64                        | V                     |
| Middle                    | 1408                 | -55.26         | -13.00           | -42.26                  | -67.20                  | -56.97                   | 0.87                       | 4.73                        | H                     |
|                           | 2120                 | -58.81         | -13.00           | -45.81                  | -73.43                  | -59.75                   | 1.17                       | 4.26                        | H                     |
|                           | 2820                 | -59.85         | -13.00           | -46.85                  | -77.85                  | -61.96                   | 1.39                       | 5.66                        | H                     |
|                           | 1408                 | -51.25         | -13.00           | -38.25                  | -63.19                  | -52.96                   | 0.87                       | 4.73                        | V                     |
|                           | 2120                 | -54.98         | -13.00           | -41.98                  | -69.60                  | -55.92                   | 1.17                       | 4.26                        | V                     |
|                           | 2820                 | -60.02         | -13.00           | -47.02                  | -78.02                  | -62.13                   | 1.39                       | 5.66                        | V                     |
| Highest                   | 1424                 | -55.73         | -13.00           | -42.73                  | -67.88                  | -57.53                   | 0.88                       | 4.83                        | H                     |
|                           | 2136                 | -62.62         | -13.00           | -49.62                  | -77.34                  | -63.60                   | 1.18                       | 4.31                        | H                     |
|                           | 2844                 | -59.82         | -13.00           | -46.82                  | -77.91                  | -61.95                   | 1.40                       | 5.68                        | H                     |
|                           | 1424                 | -52.08         | -13.00           | -39.08                  | -64.23                  | -53.88                   | 0.88                       | 4.83                        | V                     |
|                           | 2136                 | -59.96         | -13.00           | -46.96                  | -74.68                  | -60.94                   | 1.18                       | 4.31                        | V                     |
|                           | 2844                 | -59.61         | -13.00           | -46.61                  | -77.70                  | -61.74                   | 1.40                       | 5.68                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 12 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1400                 | -49.00         | -13.00           | -36.00                  | -60.94                  | -50.66                   | 0.87                       | 4.68                        | H                     |
|                            | 2099                 | -63.19         | -13.00           | -50.19                  | -77.72                  | -64.07                   | 1.17                       | 4.20                        | H                     |
|                            | 2798                 | -59.91         | -13.00           | -46.91                  | -77.83                  | -62.01                   | 1.38                       | 5.64                        | H                     |
|                            | 1400                 | -45.82         | -13.00           | -32.82                  | -57.76                  | -47.48                   | 0.87                       | 4.68                        | V                     |
|                            | 2099                 | -63.09         | -13.00           | -50.09                  | -77.62                  | -63.97                   | 1.17                       | 4.20                        | V                     |
|                            | 2798                 | -59.94         | -13.00           | -46.94                  | -77.86                  | -62.04                   | 1.38                       | 5.64                        | V                     |
| Middle                     | 1408                 | -52.68         | -13.00           | -39.68                  | -64.62                  | -54.39                   | 0.87                       | 4.73                        | H                     |
|                            | 2109                 | -62.20         | -13.00           | -49.20                  | -76.73                  | -63.11                   | 1.17                       | 4.23                        | H                     |
|                            | 2812                 | -59.88         | -13.00           | -46.88                  | -77.88                  | -61.99                   | 1.39                       | 5.65                        | H                     |
|                            | 1408                 | -47.63         | -13.00           | -34.63                  | -59.57                  | -49.34                   | 0.87                       | 4.73                        | V                     |
|                            | 2109                 | -60.15         | -13.00           | -47.15                  | -74.68                  | -61.06                   | 1.17                       | 4.23                        | V                     |
|                            | 2812                 | -59.75         | -13.00           | -46.75                  | -77.75                  | -61.86                   | 1.39                       | 5.65                        | V                     |
| Highest                    | 1416                 | -55.60         | -13.00           | -42.60                  | -67.54                  | -57.35                   | 0.87                       | 4.78                        | H                     |
|                            | 2120                 | -60.77         | -13.00           | -47.77                  | -75.39                  | -61.71                   | 1.17                       | 4.26                        | H                     |
|                            | 2826                 | -59.76         | -13.00           | -46.76                  | -77.76                  | -61.88                   | 1.39                       | 5.66                        | H                     |
|                            | 1416                 | -52.16         | -13.00           | -39.16                  | -64.10                  | -53.91                   | 0.87                       | 4.78                        | V                     |
|                            | 2120                 | -58.11         | -13.00           | -45.11                  | -72.73                  | -59.05                   | 1.17                       | 4.26                        | V                     |
|                            | 2826                 | -59.66         | -13.00           | -46.66                  | -77.66                  | -61.78                   | 1.39                       | 5.66                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 17**

| LTE Band 17 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 1408              | -49.52      | -13           | -36.52            | -61.47            | -51.23             | 0.87                 | 4.73                  | H                  |
|                           | 2112              | -57.26      | -13           | -44.26            | -71.81            | -58.18             | 1.17                 | 4.24                  | H                  |
|                           | 2816              | -59.69      | -13           | -46.69            | -77.70            | -61.80             | 1.39                 | 5.65                  | H                  |
|                           | 1408              | -53.21      | -13           | -40.21            | -65.16            | -54.92             | 0.87                 | 4.73                  | V                  |
|                           | 2112              | -59.36      | -13           | -46.36            | -73.91            | -60.28             | 1.17                 | 4.24                  | V                  |
|                           | 2816              | -59.76      | -13           | -46.76            | -77.77            | -61.87             | 1.39                 | 5.65                  | V                  |
| Middle                    | 1416              | -53.61      | -13           | -40.61            | -65.56            | -55.36             | 0.87                 | 4.78                  | H                  |
|                           | 2128              | -58.89      | -13           | -45.89            | -73.52            | -59.85             | 1.17                 | 4.28                  | H                  |
|                           | 2830              | -59.59      | -13           | -46.59            | -77.68            | -61.71             | 1.39                 | 5.66                  | H                  |
|                           | 1416              | -56.73      | -13           | -43.73            | -68.68            | -58.48             | 0.87                 | 4.78                  | V                  |
|                           | 2128              | -60.02      | -13           | -47.02            | -74.65            | -60.98             | 1.17                 | 4.28                  | V                  |
|                           | 2830              | -59.44      | -13           | -46.44            | -77.53            | -61.56             | 1.39                 | 5.66                  | V                  |
| Highest                   | 1424              | -49.18      | -13           | -36.18            | -61.33            | -50.98             | 0.88                 | 4.83                  | H                  |
|                           | 2136              | -55.96      | -13           | -42.96            | -70.68            | -56.94             | 1.18                 | 4.31                  | H                  |
|                           | 2844              | -59.74      | -13           | -46.74            | -77.83            | -61.87             | 1.40                 | 5.68                  | H                  |
|                           | 1424              | -53.41      | -13           | -40.41            | -65.56            | -55.21             | 0.88                 | 4.83                  | V                  |
|                           | 2136              | -56.89      | -13           | -43.89            | -71.61            | -57.87             | 1.18                 | 4.31                  | V                  |
|                           | 2844              | -59.86      | -13           | -46.86            | -77.95            | -61.99             | 1.40                 | 5.68                  | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 17 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1408                 | -49.04         | -13              | -36.04                  | -60.99                  | -50.75                   | 0.87                       | 4.73                        | H                     |
|                            | 2112                 | -54.60         | -13              | -41.60                  | -69.15                  | -55.52                   | 1.17                       | 4.24                        | H                     |
|                            | 2816                 | -59.66         | -13              | -46.66                  | -77.67                  | -61.77                   | 1.39                       | 5.65                        | H                     |
|                            | 1408                 | -52.52         | -13              | -39.52                  | -64.47                  | -54.23                   | 0.87                       | 4.73                        | V                     |
|                            | 2112                 | -46.01         | -13              | -33.01                  | -60.56                  | -46.93                   | 1.17                       | 4.24                        | V                     |
|                            | 2816                 | -59.87         | -13              | -46.87                  | -77.88                  | -61.98                   | 1.39                       | 5.65                        | V                     |
| Middle                     | 1408                 | -51.13         | -13              | -38.13                  | -63.08                  | -52.84                   | 0.87                       | 4.73                        | H                     |
|                            | 2120                 | -56.44         | -13              | -43.44                  | -71.07                  | -57.38                   | 1.17                       | 4.26                        | H                     |
|                            | 2820                 | -59.65         | -13              | -46.65                  | -77.66                  | -61.76                   | 1.39                       | 5.66                        | H                     |
|                            | 1408                 | -54.43         | -13              | -41.43                  | -66.38                  | -56.14                   | 0.87                       | 4.73                        | V                     |
|                            | 2120                 | -58.72         | -13              | -45.72                  | -73.35                  | -59.66                   | 1.17                       | 4.26                        | V                     |
|                            | 2820                 | -59.73         | -13              | -46.73                  | -77.74                  | -61.84                   | 1.39                       | 5.66                        | V                     |
| Highest                    | 1416                 | -52.74         | -13              | -39.74                  | -64.69                  | -54.49                   | 0.87                       | 4.78                        | H                     |
|                            | 2120                 | -55.67         | -13              | -42.67                  | -70.30                  | -56.61                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -59.85         | -13              | -46.85                  | -77.86                  | -61.97                   | 1.39                       | 5.66                        | H                     |
|                            | 1416                 | -55.33         | -13              | -42.33                  | -67.28                  | -57.08                   | 0.87                       | 4.78                        | V                     |
|                            | 2120                 | -57.65         | -13              | -44.65                  | -72.28                  | -58.59                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -59.65         | -13              | -46.65                  | -77.66                  | -61.77                   | 1.39                       | 5.66                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## **Appendix D. Product Equality Declaration**



5F, C building, No. 232, Liang Jing Road  
ZhangJiang High-Tech Park, Pudong Area  
Shanghai, P.R. China. 201203  
TEL: +86(0)21 61460666  
FAX: +86(0)21 61460602

## Declaration of changes from Initial to Variant

**General: 6055A is a variant product of 6055U**

### ● SOFTWARE MODIFICATIONS:

- Protocol Stack changes: No
- MMS/STK/USAT/USIM changes: No
- DM/SUPL/VT/FUMO/SWP/HCI: Yes (6055A does not support DM/FUMO)
- Other changes detailed:
  1. Enable FDD band17
  2. Add UICC base NFC

### ● HARDWARE MODIFICATIONS:

- Band changes: No
- PCB Layout changes: No
- Main RF components changes:

|                | Antenna | AP | Modem | Transceiver | Power Amplifier | Rx SAW Filter | ASM |
|----------------|---------|----|-------|-------------|-----------------|---------------|-----|
| <b>GSM850</b>  | No      | No | No    | No          | No              | No            | No  |
| <b>GSM900</b>  | No      | No | No    | No          | No              | No            | No  |
| <b>GSM1800</b> | No      | No | No    | No          | No              | No            | No  |
| <b>GSM1900</b> | No      | No | No    | No          | No              | No            | No  |

|                    | Antenna | AP | Modem | Transceiver | Power Amplifier | Tx SAW Filter | Duplexer | ASM |
|--------------------|---------|----|-------|-------------|-----------------|---------------|----------|-----|
| <b>UMTS band X</b> | No      | No | No    | No          | No              | No            | No       | No  |

|                   | Antenna | AP | Modem | Transceiver | Power Amplifier | Tx SAW Filter | Rx SAW Filter | Duplexer | ASM |
|-------------------|---------|----|-------|-------------|-----------------|---------------|---------------|----------|-----|
| <b>LTE Band x</b> | No      | No | No    | No          | No              | No            | No            | No       | No  |
| <b>LTE Band x</b> | No      | No | No    | No          | No              | No            | No            | No       | No  |

|                  | Antenna | AP | Modem | Transceiver | Power Amplifier | Balun | Band pass filter | Diplexer |
|------------------|---------|----|-------|-------------|-----------------|-------|------------------|----------|
| <b>Bluetooth</b> | No      | No | No    | No          | No              | No    | No               | No       |

|       |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|
| Wi-Fi | No | No | No | No | No | No | No | No |
|-------|----|----|----|----|----|----|----|----|

- FM changes: No
- LCD/ Speaker/ Camera/ Vibrator changes: No (indicated the changed items if yes)
- Other changes detailed:  
Reduce 2db power in band 7.

● **MECHANICAL MODIFICATIONS:**

- Use new metal front/back cover or keypad: No
- Mechanical shell changes:  
Whole size of EUT: No  
Distance of Ear reference point to bottom of handset: No  
Other trinkets to change the surface of handset: No
- Other changes detailed:  
1. Different logo on backcover.

**APPROVED BY:**

Project Manager: *Freda*

Signature: *8.10.*

Date: